



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

General Certificate of Education Ordinary Level

BUILDING TECHNOLOGY & DESIGN

4052/1

PAPER 1 Theory, Drawing and Quantities.

NOVEMBER 2022 SESSION 2 hours 30 minutes

Additional materials:

Answer paper. Plain paper A4 (1 sheet). Scientific calculators, Drawing instruments. Window camboque.

TIME 2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the spaces at the top of this page and on all separate answer paper used.

Section A [40]

Answer all questions.

Write your answers in the spaces provided on the question paper

Section B [40]

Answer any two questions.

Write your answers on the separate answer paper provided.

At the end of the examination, fasten the separate answer paper securely to the question paper,

Section C [20]

Answer one question only.

Write your answer on the separate answer paper provided.

At the end of the examination, faster the separate answer

paper securely to the question paper.

INFORMATION FOR CANDIDATES

Marks for each question are given in brackets | | at the end of each question.

All dimensions are in millimetres unless otherwise stated.

FOR EXAMINER'S USE Section A. Section B Section C. TOTAL

This question paper consists of 11 printed pages and 1 blank page. Copyright Zambubwe School Examinations Council, N2022

STATEMENT STREET

[Turn over

O Level Zimsec History Paper 1 2014

A Loxley

O Level Zimsec History Paper 1 2014:

History A-Level (ZIMSEC) Past Exam Questions and Model Answers David Chitate ,2024-06-06 This book contains the most comprehensive question bank and model answers for ZIMSEC A Level History exam questions It also includes syllabus review notes and exercises History subject Examiners provide observations and tips and point out common errors that students make when answering questions If you use this book faithfully it will be almost impossible for you to fail Use this book and earn yourself a Grade A in History

Immerse yourself in the artistry of words with is expressive creation, Discover the Artistry of **O Level Zimsec History Paper 1 2014**. This ebook, presented in a PDF format (Download in PDF: *), is a masterpiece that goes beyond conventional storytelling. Indulge your senses in prose, poetry, and knowledge. Download now to let the beauty of literature and artistry envelop your mind in a unique and expressive way.

https://crm.avenza.com/results/Resources/default.aspx/oracle apps documentation.pdf

Table of Contents O Level Zimsec History Paper 1 2014

- 1. Understanding the eBook O Level Zimsec History Paper 1 2014
 - The Rise of Digital Reading O Level Zimsec History Paper 1 2014
 - Advantages of eBooks Over Traditional Books
- 2. Identifying O Level Zimsec History Paper 1 2014
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an O Level Zimsec History Paper 1 2014
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from O Level Zimsec History Paper 1 2014
 - Personalized Recommendations
 - O Level Zimsec History Paper 1 2014 User Reviews and Ratings
 - o O Level Zimsec History Paper 1 2014 and Bestseller Lists
- 5. Accessing O Level Zimsec History Paper 1 2014 Free and Paid eBooks
 - O Level Zimsec History Paper 1 2014 Public Domain eBooks
 - o O Level Zimsec History Paper 1 2014 eBook Subscription Services
 - O Level Zimsec History Paper 1 2014 Budget-Friendly Options

- 6. Navigating O Level Zimsec History Paper 1 2014 eBook Formats
 - o ePub, PDF, MOBI, and More
 - O Level Zimsec History Paper 1 2014 Compatibility with Devices
 - O Level Zimsec History Paper 1 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of O Level Zimsec History Paper 1 2014
 - Highlighting and Note-Taking O Level Zimsec History Paper 1 2014
 - Interactive Elements O Level Zimsec History Paper 1 2014
- 8. Staying Engaged with O Level Zimsec History Paper 1 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers O Level Zimsec History Paper 1 2014
- 9. Balancing eBooks and Physical Books O Level Zimsec History Paper 1 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection O Level Zimsec History Paper 1 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine O Level Zimsec History Paper 1 2014
 - Setting Reading Goals O Level Zimsec History Paper 1 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of O Level Zimsec History Paper 1 2014
 - Fact-Checking eBook Content of O Level Zimsec History Paper 1 2014
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

• Interactive and Gamified eBooks

O Level Zimsec History Paper 1 2014 Introduction

In the digital age, access to information has become easier than ever before. The ability to download O Level Zimsec History Paper 1 2014 has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download O Level Zimsec History Paper 1 2014 has opened up a world of possibilities. Downloading O Level Zimsec History Paper 1 2014 provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading O Level Zimsec History Paper 1 2014 has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download O Level Zimsec History Paper 1 2014. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading O Level Zimsec History Paper 1 2014. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading O Level Zimsec History Paper 1 2014, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download O Level Zimsec History Paper 1 2014 has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of

free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About O Level Zimsec History Paper 1 2014 Books

What is a O Level Zimsec History Paper 1 2014 PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. How do I create a O Level Zimsec History Paper 1 2014 PDF? There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a O Level Zimsec History Paper 1 2014 PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. How do I convert a O Level Zimsec History Paper 1 2014 PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, IPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I passwordprotect a O Level Zimsec History Paper 1 2014 PDF? Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find O Level Zimsec History Paper 1 2014:

oracle apps documentation operating manual saab tankradar g3 operations guide template

operational manual m68

operational manual for bronto skylift aerial ladder oppenheim solution manual in operating manual for iec clinical centrifuge opq32 technical manual

operator s manual 345 350

opinion writing tall tales graphic organizer

operation manual pega357

operations management by jay heizer and barry render 10th edition

oracle database 11g sql fundamentals i student guide volume

operations management jay heizer solutions manual

operator manual deere 930

O Level Zimsec History Paper 1 2014:

family coloring pages family coloring pages coloring pages for kids - Dec 07 2022

web download and print free family coloring pages family coloring pages are a fun way for kids of all ages adults to develop creativity concentration fine motor skills and color recognition self reliance and perseverance to complete any job have fun family coloring pages printable sheets for kids - Apr 11 2023

web aug 19 2023 these coloring pages are perfect for kids of all ages and they feature a variety of different family themed illustrations from traditional family scenes to more modern depictions of families kids will love coloring in these pages and learning about the different types of families that exist

family coloring pages worksheets - Jun 01 2022

web we have compiled a collection of family coloring pages which is a fantastic activity for your kids to practice coloring in pictures of people you may em teach your children the value of family em time by having them strong color family themed coloring pages strong

coloring pages of family coloring home - Feb 26 2022

web coloring pages of family download and print these of family coloring pages for free printable of family coloring pages are a fun way for kids of all ages to develop creativity focus motor skills and color recognition

top 10 free printable family coloring pages online momjunction - Apr 30 2022

web feb 7 2021 top 10 family coloring pages for kids here are some great images based on the theme of a family now check out here 10 amazing family coloring pages printable for you to spend some quality time with your child 1 learn with pictures let s start with a basic picture for your toddler showing a happy family

family coloring pages collection for kids - Sep 04 2022

web on the other hand if your child is used to coloring you can include family pictures with more complex lines or you can include pictures with many members like an extended family family coloring pages help children with many educational functions family coloring pages for children will help children learn many valuable lessons in life free printable coloring pages for kids and adults - Oct 05 2022

web supercoloring com is a super fun for all ages for boys and girls kids and adults teenagers and toddlers preschoolers and older kids at school take your imagination to a new realistic level choose a coloring page that best fits your aspiration

family coloring pages worksheets - Dec 27 2021

web we have compiled a collection of family coloring pages which is a fantastic activity for your kids to practice coloring in pictures of people you may teach your children the value of family time by having them color family themed coloring pages it provides an opportunity to familiarize young children with the various types of families that

20 family coloring pages free pdf printables monday mandala - Jul 14 2023

web aug 28 2023 included in this series of printables are many types and sizes of families from single mom and dad families male and female families gay couple families extended families plus many others which you can see below

family coloring pages best coloring pages for kids - Feb 09 2023

web may 17 2022 if you love your family it might be fun to color one print any of these great families and put your coloring talents to work all of our coloring pages are free

family coloring page free printable worksheet for children kids - Jan 28 2022

web take the opportunity to talk about families and have fun with this family worksheet young students will not only practice improving fine motor skills when completing the coloring page but also discuss what family members they see on this printable

family coloring pages 100 pictures free printable raskrasil com - May 12 2023

web family coloring pages 100 quality coloring pages for kids you can download or print for free immediately from the site

family coloring pages free coloring pages - Aug 15 2023

web supercoloring com is a super fun for all ages for boys and girls kids and adults teenagers and toddlers preschoolers and older kids at school take your imagination to a new realistic level choose a coloring page that best fits your aspiration free easy to print family coloring pages tulamama - Jun 13 2023

web mar 24 2022 family coloring pages for kids welcome to the world of family coloring pages coloring is a wonderful activity for little ones learning about their place in the family through coloring our children learn to concentrate develop motor skills and identify colors the benefits of coloring why your toddler needs to start coloring regularly

family coloring pages coloring pages for kids and adults - Jul 02 2022

web download color and print these family coloring pages for free family coloring pages will help your child focus on details develop creativity concentration motor skills and color recognition they feel comfortable interesting and pleasant to color free family colouring pages twinkl teacher made - Jan 08 2023

web colouring is super beneficial for self expression in kids but this is just one of the many wonderful benefits these family colouring pages have for children we ve listed a few others below helps with improving fine motor skills promotes patience and relaxation improves concentration builds upon language development improves a child s writing printable family coloring pages updated 2023 i heart crafty - Nov 06 2022

web apr 9 2021 these family coloring sheets for kids are perfect to print out and have the whole family have a great time coloring them in these images would be perfect to color in together with your loved ones on a frosty winter night in front of the fire or on a warm summer evening remember to share all your colorful creations on our facebook page free printable family coloring page coloring pages for kids - Aug 03 2022

web download and print free free printable family coloring pages family coloring pages are a fun way for kids of all ages adults to develop creativity concentration fine motor skills and color recognition family coloring pages - Mar 30 2022

web welcome to one of the largest collection of coloring pages for kids on the net free printable coloring pages for a variety of themes that you can print out and color spark your creativity by choosing your favorite printable coloring pages and let the fun begin all of our printable online coloring books are free for everyone to enjoy

family themed free printable colouring pages for kids kin - Mar 10 2023

web 11 free printable coloring sheets in pdf format to keep your kids occupied and entertained these coloring sheets are interesting as well as educational they are based on the family unit and depict different types of members of **my very first book of animal homes by eric carle national library** - Mar 12 2023

web available in national library singapore upper and lower halves of divided pages can be turned separately to match

various animal homes with the domestic or wild animals that live in them my very first book of animal homes by eric carle - May 02 2022

web jan 1 2007 written and illustrated by eric carle part of the my very first book book series board book 5 99 5 57 add to cart 0 3 reading age 20 page count jan 1 2007 publication date buy from other retailers amazon bookshop what s this book about publisher summary here are two new split page board books in the popular series from

my very first book of animal homes eric carle google books - Jun 15 2023

web jan 18 2007 in the brilliantly colorful my very first book of animal homes children can match each animal with the home it lives in where do the bees live where does the bird live in my very

my very first book of animal homes by carle eric carle eric - Jul 04 2022

web these split page board books in the popular my very first book of series by eric carle are filled with full color illustrations of vibrant animals and the split pages let young readers learn matching concepts here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes i

my very first book of animal homes board book amazon ca - Feb 11 2023

web here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes children can match each animal with the home it lives in where do the bees live where does the bird live in my very first book of animal sounds children

my very first book of animal homes hardcover abebooks - Jan 10 2023

web here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes children can match each animal with the home it lives in where do the bees live where does the bird live in my very first book of animal sounds children

my very first book of animal homes board book amazon com au - Nov 08 2022

web where do the bees live where does the bird live in my very first book of animal sounds children can match each animal with the sound it makes which animal barks which animal roars only you can match them full of vibrant animals these books are loads of fun for young children

my very first book of animal homes by eric carle open library - Apr 13 2023

web dec 4 2022 availability 3 my very first book of animal homes 2006 philomel books in english 1st board bk ed 0399246479 9780399246470 aaaa not in library libraries near you worldcat

my very first book of animal homes by eric carle amazon com - Oct 07 2022

web jan 1 2007 my very first book of animal homes by eric carle part of my very first book of 8 books book recommendations author interviews editors picks and more asin b007cgusaw publisher philomel books brdbk edition january 1 2007 language

paperback isbn 10 0399246479 isbn 13 978 0399246470

my very first book of animal homes barnes noble - May 14 2023

web jan 18 2007 kids books add to wishlist kids seasonal favorites only 9 99 with purchase of any kids book my very first book of animal homes by eric carle eric carle illustrator 4 0 write a review board book 6 99 ship this item qualifies for free shipping choose expedited shipping at checkout for delivery by tuesday november 14

my very first book of animal homes board book amazon in - Aug 05 2022

web details or fastest delivery wednesday 8 november order within 5 hrs 59 mins details select delivery location in stock sold by cocoblu retail and fulfilled by amazon quantity add to cart buy now secure transaction add gift options willing to wait 349 01 ships from amazon sold by uread store new 10 from 34901 free delivery on first order

my very first book of animal homes board book amazon - Sep 18 2023

web my very first book of animal homes carle eric carle eric amazon sg books skip to main content sg hello select your address all hello sign in account lists returns orders cart all best sellers

my very first book of animal homes board book amazon co uk - Jun 03 2022

web where do the bees live where does the bird live in my very first book of animal sounds children can match each animal with the sound it makes which animal barks which animal roars only you can match them full of vibrant animals these books are loads of fun for young children

my very first book of animal homes eric carle youtube - Dec 09 2022

web jun 20 2021 5 5k views 2 years ago learn animal homes and habitats with an animated version of eric carle s my very first book of animal homes filled with his beautiful signature illustrations animated by

my very first book of animal homes by eric carle goodreads - Aug 17 2023

web jan $18\ 2007$ $3\ 75\ 227$ ratings 19 reviews here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes children can match each animal with the home it lives in

my very first book of animal homes by eric carle youtube - Feb 28 2022

web aug 18 2020 here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes children can match each animal with the home

my very first book of animal homes 1986 eric carle - Sep 06 2022

web my very first book of animal homes 1986 board book editions 2006 2007 status out of print a group of small format books with bold simple images and words designed as the titles indicate for the very young child who is just learning to identify name and classify familiar objects

my very first book of animal homes christianbook com - Jul 16 2023

web here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes children can match each animal with the home it lives in where do the bees live where does the bird live in my very first book of animal sounds children

my very first book of animal homes penguin random house - Oct 19 2023

web about my very first book of animal homes here are two new split page board books in the popular series from eric carle in the brilliantly colorful my very first book of animal homes children can match each animal with the home it lives in where do the bees live where does the bird live in my very first book of animal sounds children

my very first book of animal homes board book secret garden books - Apr 01 2022

web where do the bees live where does the bird live in my very first book of animal sounds children can match each animal with the sound it makes which animal barks which animal roars only you can match them full of vibrant animals these books are loads of fun for young children

key release form release forms release forms - Apr 30 2022

web the key release form is a document that would request that the landlord of an apartment community release keys for one or more persons known to the tenant to gain entry into the tenant s apartment in their absence the request is made by the tenant and holds the landlord or property manager harmless from liability that

key release form fill out and sign printable pdf template - Jul 14 2023

web the way to complete the office key issue form template on the internet to start the form utilize the fill camp sign online button or tick the preview image of the document the advanced tools of the editor will lead you through the editable pdf template enter your official contact and identification details

free 10 sample key release forms in ms word pdf sample templates - Aug 15 2023

web sample key request form 10 examples in word pdf once the key request has been approved it is also important to officially document the release of the keys this way a record is kept and it is easier to keep track of who holds the key key release forms are made for this purpose

key release form fill online printable fillable blank pdffiller - May 12 2023

web filling out a key release form typically involves the following steps 1 obtain the form request the key release form from the appropriate source such as a landlord property manager hr department or any institution that requires keys to be returned 2

key checkout form fill out sign online dochub - Jul 02 2022

web edit key release form effortlessly add and highlight text insert images checkmarks and symbols drop new fillable areas and rearrange or delete pages from your paperwork get the key release form completed download your adjusted document

export it to the cloud print it from the editor or share it with other participants via a shareable

printable key log template excel word pdf excel tmp - Jun 13 2023

web feb 1 2021 step 1 firstly make a table that contains various rows and columns you can also download a key log template from the internet step 2 secondly write the title at the centre of your document

free 10 sample key release forms in ms word pdf - Jan 08 2023

web key release form pattern employee release fashion 10 sample in word pdf video release form 8 samples examples format sample key please form 10 examples in word pdf

key release form - Feb 09 2023

web the management of my apartment community to release a key to the following individual s for office use only key was released on at am pm photo id verified by representative title key release form author releaseforms org created date 4 17 2014 10 39 46 am

key release template doc template pdffiller - Aug 03 2022

web a key release form template is a document that allows someone to request the release of a key or set of keys it typically includes fields to enter important information such as the requester s name contact information the purpose of the key release the date and time of the release and any conditions or responsibilities associated with the key

key release form boloforms - Jan 28 2022

web key release form a key release form is used by renters page 1 please fill out the following information to request a key release 1 email 2 renter s full name 3 renter s phone number 4 renter s address 5 date of request select date 6 select the building 7 select the floor 8 select the room 9 reason for key release

key release fillable printable blank pdf form for free - Nov 06 2022

web hit the download button and download your all set document into you local computer download the form we are proud of letting you edit key release with a simplified workload take a look at our best pdf editor for key release get form download the form people also search for send feedback on this info privacy settings how search

free key release form template cognito forms - Sep 04 2022

web our free key release form template enables residents to give specified individuals such as contractors and electricians permission to enter their property simply start with our template insert your own contract terms and add

key release form fill out and sign printable pdf template - $Dec\ 07\ 2022$

web quick steps to complete and e sign key release form online use get form or simply click on the template preview to open it in the editor start completing the fillable fields and carefully type in required information use the cross or check marks in the top toolbar to select your answers in the list boxes

key receipt form in word and pdf formats - Feb 26 2022

web download or preview 1 pages of pdf version of key receipt form doc 54 3 kb pdf 46 6 kb for free

key release form template jotform - Apr 11 2023

web employee travel authorization form get authorization from your company to travel and attend a conference seminar auditing or inspection by using this employee travel authorization form this form can be embedded on

what is a key release form how to use it release form templates - Oct 05 2022

web a key release form is a legal document that is used to authorize someone to access or use a key or other property belonging to another person the form is typically signed by the owner of the property granting permission for a third party to access or use it

key assignment outline template form fill out and sign - Mar 30 2022

web how it works browse for the key release form template customize and esign key assignment outline example send out signed key assignment form or print it what makes the key release form template legally valid because the society takes a step away from in office working conditions the completion of paperwork increasingly takes place online

35 free release form templates free online forms formplus - Dec 27 2021

web 35 free release form templates grant rights and permissions to sensitive information using any of our release form templates with these templates you can avoid permission and copyright issues by waivering any previous status quo **key release form template growform** - Mar 10 2023

web key release form template boost response rates with our key release form template designed for up to 2x more leads benefit from psychological principles and an exceptional ui for easy form completion

key release fillable printable blank pdf form for free - Jun 01 2022

web how to edit and sign key release online read the following instructions to use cocodoc to start editing and completing your key release in the beginning seek the get form button and click on it wait until key release is shown customize your document by using the toolbar on the top