Semester: 1st MCA Subject: RDBMS (CE519)

Relational Database Managment System(RDBMS)

((CE519)) Lab Mamual

Drashti Patel ((20SOECA21028))

1st MCA CENT/MCA/BCA 2020-21

Rdbms Lab Manual Annamalaiuniversity

SJ Ball

Rdbms Lab Manual Annamalaiuniversity:

Embark on a transformative journey with Explore the World with is captivating work, Discover the Magic in **Rdbms Lab**Manual Annamalaiuniversity. This enlightening ebook, available for download in a convenient PDF format PDF Size: , invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights .

https://crm.avenza.com/public/uploaded-files/HomePages/Real Estate Principles Exam Answers Dearborn California.pdf

Table of Contents Rdbms Lab Manual Annamalaiuniversity

- 1. Understanding the eBook Rdbms Lab Manual Annamalaiuniversity
 - The Rise of Digital Reading Rdbms Lab Manual Annamalaiuniversity
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Rdbms Lab Manual Annamalaiuniversity
 - 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 Rdbms Lab Manual Annamalaiuniversity
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Rdbms Lab Manual Annamalaiuniversity
 - Personalized Recommendations
 - Rdbms Lab Manual Annamalaiuniversity User Reviews and Ratings
 - Rdbms Lab Manual Annamalaiuniversity and Bestseller Lists
- 5. Accessing Rdbms Lab Manual Annamalaiuniversity Free and Paid eBooks
 - Rdbms Lab Manual Annamalaiuniversity Public Domain eBooks
 - Rdbms Lab Manual Annamalaiuniversity eBook Subscription Services
 - Rdbms Lab Manual Annamalaiuniversity Budget-Friendly Options

- 6. Navigating Rdbms Lab Manual Annamalaiuniversity eBook Formats
 - o ePub, PDF, MOBI, and More
 - Rdbms Lab Manual Annamalaiuniversity Compatibility with Devices
 - o Rdbms Lab Manual Annamalaiuniversity Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Rdbms Lab Manual Annamalaiuniversity
 - Highlighting and Note-Taking Rdbms Lab Manual Annamalaiuniversity
 - Interactive Elements Rdbms Lab Manual Annamalaiuniversity
- 8. Staying Engaged with Rdbms Lab Manual Annamalaiuniversity
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - o Following Authors and Publishers Rdbms Lab Manual Annamalaiuniversity
- 9. Balancing eBooks and Physical Books Rdbms Lab Manual Annamalaiuniversity
 - Benefits of a Digital Library
 - o Creating a Diverse Reading Collection Rdbms Lab Manual Annamalaiuniversity
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Rdbms Lab Manual Annamalaiuniversity
 - Setting Reading Goals Rdbms Lab Manual Annamalaiuniversity
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Rdbms Lab Manual Annamalaiuniversity
 - Fact-Checking eBook Content of Rdbms Lab Manual Annamalaiuniversity
 - 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

Rdbms Lab Manual Annamalaiuniversity Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In todays fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Rdbms Lab Manual Annamalaiuniversity PDF books and manuals is the internets largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Rdbms Lab Manual Annamalaiuniversity PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free

downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Rdbms Lab Manual Annamalaiuniversity free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Rdbms Lab Manual Annamalaiuniversity Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, guizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Rdbms Lab Manual Annamalaiuniversity is one of the best book in our library for free trial. We provide copy of Rdbms Lab Manual Annamalaiuniversity in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Rdbms Lab Manual Annamalaiuniversity. Where to download Rdbms Lab Manual Annamalaiuniversity online for free? Are you looking for Rdbms Lab Manual Annamalaiuniversity PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Rdbms Lab Manual Annamalaiuniversity. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Rdbms Lab Manual Annamalaiuniversity are for sale to free while some are payable. If you arent sure if the books you would like to download

works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Rdbms Lab Manual Annamalaiuniversity. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Rdbms Lab Manual Annamalaiuniversity To get started finding Rdbms Lab Manual Annamalaiuniversity, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Rdbms Lab Manual Annamalaiuniversity So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Rdbms Lab Manual Annamalaiuniversity. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Rdbms Lab Manual Annamalaiuniversity, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Rdbms Lab Manual Annamalaiuniversity is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Rdbms Lab Manual Annamalaiuniversity is universally compatible with any devices to read.

Find Rdbms Lab Manual Annamalaiuniversity:

real estate principles exam answers dearborn california reading comprehension drawing conclusions quiz ready new york cels 2014 answers grade 7 ela realidades 3 core practice answers 3 11 realidades guided practice answer key 5a realidades 2 workbook answers pg 171 realidades 1 workbook answers pg 125 reading msce biology papers in malawi realidades 2 3b 1 answers realidades prueba 2b answer key

realidades wava 2b 5 answer key reading journal rubric grade 2 ready for fce audio reaper 3 user guide ready new york ccls grade 4 answers

Rdbms Lab Manual Annamalaiuniversity:

note taking worksheet pdf teacher made twinkl - Jun 21 2023

web who should be using a note taking worksheet pdf this note taking worksheet pdf is ideal for teachers parents students and anyone else who would like to improve their note taking ability so that they can get more out of their education or professional responsibilities

note taking template libguides at mater christi college - Feb 05 2022

web may 11 2023 effective note taking from lessons and readings is an essential skill for study good note taking allows a permanent record for revision and a register of relevant points that you can integrate with your own writing and speaking note taking template for journal articles learning center - Sep 12 2022

web note taking template for journal articles title of article publication author s date background what was the context for this research how did the author s collect data when and where did the research take place results what highlights emerged were there any surprises data what is most striking about the tables graphs

results for research notes template tpt - Jan 16 2023

web templates are valuable tools that can be employed year round to enhance various academic skills such as note taking research and brainstorming a comprehensive note taking template encourages students to organize and synthesize information effectively aiding in better retention and comprehension of subject matter

best academic research templates from notion - Apr 07 2022

web streamline your academic research save time and get organized with structured pages for note taking task management and research planning with features like tags and databases you ll be able to easily track your progress and collaborate with others on your research journey

note taking template for journal articles learning center - Jul 10 2022

web note taking template for journal articles download the word document note taking template for journal articles word document download the pdf note taking template for journal articles pdf use this worksheet to help you take notes and learn important content in journal articles

taking purposeful research notes landmark outreach - Mar 18 2023

web main idea 1 students have several notes sheets going at once with pre determined main ideas on them check out the following sample pages to see these notes sheets in action the sample research paper topic is the american flag main idea us flag etiquette

template for taking notes on research articles easy access for - Dec 15 2022

web template for taking notes on research articles easy access for later use for example to make an electronic record of your notes for later easy access you may think you ll remember everything you read in researching class assignments professional papers proposals or your thesis but details will slip away the time spent filling

results for research note taking template tpt - Feb 17 2023

web created by lisa sadler perfect for students in k 3 to use to take notes while researching information on an animal for a report or powerpoint presentation template has an area for information on animal s home habitat food prey or predator enemies endangered appearance interesting facts and more

a guide and template for taking notes on research - Aug 11 2022

web this resource provides a guide for how to take notes on research as well as a template for taking notes on empirical articles and review articles chapters it also provides an example set of notes for an empirical article

research notes template teach starter - Apr 19 2023

web use this teaching resource when students are required to take notes from a particular source of information e g a non fiction book a website a podcast or video clip students use the table at the top of the template to the list the details of the source they can then record key information such as the main idea key vocabulary important facts and a

note taking templates library learning commons - Aug 23 2023

web note taking templates note taking checklist contents 1 reference source templates 1 1 online doc printable downloads 2book source templates 2 1 online doc printable downloads 3 journal source templates 3 1 online doc printable downloads 4 website source templates 4 1 online doc printable downloads

notes on note taking review of research and insights for - Nov 14 2022

web to gain insight into what education research reveals about note taking specifically this review discusses the cognitive mechanisms behind note taking how to assess the quality of notes and optimal practices i have briefly summarized some suggestions below for students and instructors to consider regarding note taking for students

template for taking notes on research articles rice university - Mar 06 2022

web download this template from the rice center for engineering leadership rcel rcel rice edu or from engr rice edu use the following format or something similar from latex or endnote for example to make an electronic record of

taking and organizing notes for research papers university of - May 08 2022

web apr 29 2022 what to record a common mistake in notetaking is writing down too much before reading an article have a clear purpose in mind and shape that purpose into a tentative yet focused research question that will guide your inquiry research note templates teaching resources tpt - May 20 2023

web these research graphic organizers will help your students form strong note taking habits organize findings build vocabulary and keep track of the sources they used to find information 20 diverse graphic organizers templates for research generic enough to be used across different subjects activities and lesson differentiated from

research graphic organizer note taking education com - Jul 22 2023

web students will use this graphic organizer template in the first step of their research process honing note taking skills as they document their sources pick out relevant information from resources and concisely record important details taking notes from research reading writing advice - Jun 09 2022

web if you take notes efficiently you can read with more understanding and also save time and frustration when you come to write your paper these are three main principles 1 know what kind of ideas you need to record focus your approach to the topic before you start detailed research

research paper note taking simple and basic notion template - Oct 13 2022

web about this template it helps students and researchers to manage their secondary literature while writing essays or doing assignments it is very straightforward and simple combining note taking and reference management

graphic organizer research note taking made easy - Sep 24 2023

web apr 20 2017 lesson plan in this lesson students use an editable graphic organizer template and a word processing program to fill out the template or you can print the template for students to write on this note taking template helps students collect and organize information related to a research topic

n bit multiplier in verilog with code verilog project xilinx - Jun 13 2023

web in this verilog project n bit multiplier has been implemented in verilog hdl on xilinx ise please do like share and subscribe for more such content verilog code

verilog 4 bit multiplier stack overflow - Mar 30 2022

web mar 1 2013 i m having problems on how to create a test module for the following verilog code module multiplier 4bit output 8 0 y input 3 0 i1 input 3 0 i2 assign y i1 i2 endmodule i thought of the following test module what is binary multiplier working its applications elprocus - Feb 26 2022

web truth table the binary multiplier truth table is given below binary multiplier types the following are the binary multiplier types 1 2 2 binary multiplier or 2 bit multiplier 2 bit multiplier using 2 bit full adder 2 bit multiplier using individual single bit

adders

n bit multiplier in verilog verilog code v at main github - May 12 2023

web nov 26 2021 bits bits 1 a in reg a in reg 1 b in reg b in reg 1 end endcase if bits 0 begin display multiplication completed finish reg 1 b1 conversion of binary to bcd for i 0 i n 2 i i 1 begin if 3 n 2 3 1 4 1 bcd reg 3 0 5 bcd reg 3 0 3 if 7

multiplier 4 bit with verilog using just half and full adders - Aug 03 2022

web dec 30 2013 1 i m trying to create a modules that simulates 4 bit multiplier without using multiplication need just to use half and full adders so i succeeded to program the solution from some instance this is the code module ha sout cout a b output sout cout input a b assign sout a b assign cout a b endmodule module fa

multiplier designing of 2 bit and 3 bit binary multiplier circuits - Jan 28 2022

web oct 4 2018 how does binary multiplication work and how to design a 2 bit multiplier how to design a 3 bit multiplier where is the use of a multiplier we use a multiplier in several digital signal processing applications we use it to design calculators mobiles processors and digital image processors

verilog signed multiplication multiplying numbers of different - Apr 30 2022

web jun 19 2016 1 answer sorted by 13 i the multiplication operator in verilog is leads to what is called a context determined expression

github arjun narula n bit multiplier in verilog - Aug 15 2023

web n bit multiplier in verilog this project is designed as an n bit multiplier of two numbers the multiplication is performed using the shift and add method of multiplying two numbers once the multiplication is completed the output result is also converted to its binary coded decimal bcd representation

multiplier github topics github - Jan 08 2023

web sep 9 2023 booth s algorithm is a procedure for the multiplication of two signed binary numbers in two s complement notation this code is a structural behavioral implementation of the n bit booth s multiplier in vhdl

verilog hdl unsigned multiplier design example intel - Jul 02 2022

web this example describes an 8 bit unsigned multiplier design in verilog hdl synthesis tools detect multipliers in hdl code and infer lpm mult function figure 1 unsigned multiplier top level diagram download the files used in this example download unsigned mult v zip download unsigned multiplier readme file table 1

verilog turn 2 bit module multiplier into more bits stack overflow - Feb 09 2023

web jul 7 2017 i have the following code for a 2 bit multiplier module multiplier a0 a1 b0 b1 c 3 0 output 3 0 c input a0 a1 b0 b1 wire a0b1 a1b0 ha0c a1b1 and c 0 a0

vhdl code for a 2 bit multiplier all modeling styles technobyte - Dec 27 2021

108 arithmetic multipliers mit massachusetts institute of technology - Mar 10 2023

web the verilog arithmetic operators all produce full precision results e g adding two 8 bit numbers produces a 9 bit result in many designs one chooses a word size many computers use 32 or 64 bits and all arithmetic results are truncated to that number of bits i e arithmetic is performed modulo 2word size

multipliers pipelining massachusetts institute of technology - Apr 11 2023

web sequential multiplier assume the multiplicand a has n bits and the multiplier b has m bits if we only want to invest in a single n bit adder we can build a sequential circuit that processes a single partial product at a time and then cycle the circuit m times p b a s n n n n n n 1 s n 1 s 0 init p 0 load a and b repeat m times

creating a verilog code for 4 bit multiplier using lookup table - Sep 04 2022

web apr 9 2015 for your 4 input multiplier you will probably want to use bit concatenation to form the input bits wire 3 0 a wire 3 0 b case a b endcase and your case statement will have 256 lines in it

multiplication verilog sequential multiplier stack overflow - Jun 01 2022

web apr 15 2021 1 i am trying to implement a 4 bit signed sequential multiplier i have a for loop in my tb but only the multiplicand changes not the multiplier when i manually change the multiplier i notice that my product outputs all 0s then it changes to the actual product what am i doing wrong

github rajat503 binary multiplier verilog code that multiplies a 4 - Nov 06 2022

web binary multiplier verilog code that multiplies a 4 bit binary input to a 3 bit binary input final project for digital design cs f215 uses shift and add technique

design of n bit binary multiplier using verilog hdl modelsim voutube - Jul 14 2023

web jun 7 2021 the speed of the multiplier is determined by both architecture and circuit this design presents the design and implementation of n bit binary multiplier logic we used modelsim software

verilog 8 bit sequential multiplier using add and shift stack overflow - Oct 05 2022

web aug 30 2020 i m designing an 8 bit signed sequential multiplier using verilog the inputs are clk clock rst reset a 8 bit multiplier b 8 bit multiplicand and the outputs are p product and rdy ready signal indicating multiplication is over **lab 1 sequential multiplier nctu** - Dec 07 2022

web you cannot use the multiplication operator of verilog the lab file submission deadline is on 9 28 by 6 00pm write

simulation for a multiplier the input output ports of the 8 bit multiplier is as follows module seqmultiplier input wire clk input wire 7 0 a input wire 7 0 b output wire 15 0 c $^{\circ}$

selected poems and letters by john keats goodreads - Feb 09 2023

web sep 2 2004 buy selected poems and letters online on amazon eg at best prices fast and free shipping free returns cash on delivery available on eligible purchase

selected poems and letters kağıt kapak 2 eylül 2004 - May 12 2023

web sep 2 2004 this edition sets the two sides of rimbaud side by side with a sparkling translation of his most exhilarating poetry and a generous selection of the letters from

buy selected poems pb book online at low prices in india - Oct 25 2021

selected poems and letters penguin books australia - Dec 07 2022

web 1 187 ratings64 reviews includes both poems and letters of dickinson as well as a contemporary description of the poet in thomas wentworth higginson s account of his

selected poems and letters by michelangelo buonarroti - Jul 02 2022

web the book poems and selected letters veronica franco is published by university of chicago press

poems and selected letters franco jones rosenthal - Feb 26 2022

new and selected poems wikipedia - Jan 28 2022

selected poems and letters penguin classics - Aug 15 2023

web buy selected poems and letters parallel text penguin 01 by rimbaud arthur harding jeremy sturrock john harding jeremy sturrock

selected poems and letters parallel text penguin - Jun 13 2023

web selected poems and letters arthur rimbaud sep 2004 penguin uk ebook 512 pages family home eligible info 18 32 ebook free sample about this ebook arrow forward a

selected poems and letters by arthur rimbaud - Jul 14 2023

web selected poems and letters rimbaud arthur harding jeremy sturrock john amazon com tr kitap

selected poems and letters penguin classics paperback - Jan 08 2023

web poetry personal correspondence correspondence additional physical format online version byron george gordon byron baron 1788 1824 selected poems and letters

selected poems definition and meaning collins english dictionary - Dec 27 2021

selected poems and letters 1st edition amazon com - Aug 03 2022

web jul 21 2023 isbn 9781554816347 1554816343 128 pages $7\frac{3}{4}$ x $9\frac{1}{4}$ description contents this compact edition designed for use in undergraduate courses combines a

selected poems and letters paperback 2 september 2004 - Nov 06 2022

web dec 18 2007 selected poems and letters michelangelo buonarroti anthony mortimer editor 3 97 31 ratings4 reviews a new translation of poetry and letters from one of the

the last books selected poems and letters - Jun 01 2022

web oclc 708333510 new and selected poems is a collection of poems by samuel menashe first published in 2005 by the library of america as part of the american poets

selected poems and letters google play - Apr 11 2023

web john keats douglas bush editor 4 19 255 ratings14 reviews this series presents complete poems and generous excerpts from longer works each book includes a

emily dickinson selected poems and letters broadview press - Mar 30 2022

web amazon in buy selected poems pb book online at best prices in india on amazon in read selected poems pb book reviews author details and more at amazon in free

selected poems and letters by emily dickinson goodreads - Sep 04 2022

web hazard and prospect new and selected poems 2007 kelly cherry heaven and other poems posthumous 1977 jack kerouac his toy his dream his rest 1968 john

selected poems and letters by arthur rimbaud overdrive - Mar 10 2023

web amazon in buy selected poems and letters penguin classics book online at best prices in india on amazon in read selected poems and letters penguin classics

list of poetry collections wikipedia - Apr 30 2022

web selected poems definition a poem is a piece of writing in which the words are chosen for their beauty and sound and meaning pronunciation translations and examples

selected poems and letters book 1968 worldcat org - Oct 05 2022

web christopher middleton is an extraordinary translator bringing his fine poet s ear and inventiveness to the task in addition to the brilliant versions this volume offers

loading interface goodreads - Nov 25 2021

	Rdbms	Lab	Manual	Annama	laiuniversi	itv
--	--------------	-----	--------	---------------	-------------	-----