

EXAMPLES OF ABSTRACTS: GOOD, BAD, AND UGLY

Two examples of abstracts are provided here to provide some guidance for writing abstracts which are to be included in the CE 3020 laboratory reports. Both abstracts are from published journals, but one is poorly written and the other is well written. Critiques are made for both to emphasize the writing style and type of information expected in a well written abstract. Details about technical writing style and the information to be included in an abstract can be found in the course handout, "Style Requirements for Laboratory Reports", also available online at <http://www.ce.gatech.edu/~kkurtis/labstyle.pdf>

A Poorly Written Abstract

Article Title: Elements of an Optimal Experience

Authors: Shall remain unnamed ☹

Abstract

This paper presents and assesses a framework for an engineering capstone design program. We explain how student preparation, project selection, and instructor mentorship are the three key elements that must be addressed before the capstone experience is ready for the students. Next, we describe a way to administer and execute the capstone design experience including design workshops and lead engineers. We describe the importance in assessing the capstone design experience and report recent assessment results of our framework. We comment specifically on what students thought were the most important aspects of their experience in engineering capstone design and provide quantitative insight into what parts of the framework are most important.

Critique:

- (1) This abstract begins well with a concise statement of the objectives of the paper, but then wanders from good technical writing style from there.
- (2) The abstract is written in the first person (e.g. "We explain...", "We discuss...", "We comment...", etc.).
- (3) No results are presented. This poorly written abstract describes only the organization of the paper.

Example:

"Next, we describe... We comment specifically on what students thought were the most important aspects of their experience in engineering capstone design..."

Instead, the abstract should summarize the actual results and how they were obtained.

Example:

"A statistical analysis was performed on answers to survey questions posed to students enrolled in a capstone design course at Georgia Tech. The analysis showed that students thought the most important aspects of their experience in engineering capstone design were quality of the instructor and quantity of student/instructor interaction time."

Poorly Written Documents

From P. Roth, Colleen K. Worthington

Poorly Written Documents:

Yeah, reviewing a ebook **Poorly Written Documents** could increase your close friends listings. This is just one of the solutions for you to be successful. As understood, achievement does not suggest that you have wonderful points.

Comprehending as capably as pact even more than new will offer each success. next-door to, the broadcast as competently as keenness of this Poorly Written Documents can be taken as without difficulty as picked to act.

https://crm.avenza.com/data/Resources/index.jsp/Recipe_For_White_Semi_sweet_Icing.pdf

Table of Contents Poorly Written Documents

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

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

Poorly Written Documents Introduction

Poorly Written Documents Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Poorly Written Documents Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Poorly Written Documents : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Poorly Written Documents : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Poorly Written Documents Offers a diverse range of free eBooks across various genres. Poorly Written Documents Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Poorly Written Documents Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Poorly Written Documents, especially related to Poorly Written Documents, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Poorly Written Documents, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Poorly Written Documents books or magazines might include. Look for these in online stores or libraries. Remember that while Poorly Written Documents, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Poorly Written Documents eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Poorly Written Documents full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Poorly Written Documents eBooks, including some popular titles.

FAQs About Poorly Written Documents 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, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Poorly Written Documents is one of the best book in our library for free trial. We provide copy of Poorly Written Documents in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Poorly Written Documents. Where to download Poorly Written Documents online for free? Are you looking for Poorly Written Documents 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 Poorly Written Documents. 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 Poorly Written Documents 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 Poorly Written Documents. 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 Poorly Written Documents To get started finding Poorly Written Documents, 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 Poorly Written Documents So depending on what exactly you are searching, you will be able to choose ebook to suit your

own need. Thank you for reading Poorly Written Documents. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Poorly Written Documents, 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. Poorly Written Documents 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, Poorly Written Documents is universally compatible with any devices to read.

Find Poorly Written Documents :

recipe for white semi-sweet icing

recipe for somen salad

recipe for dreamscicle fudge

recipe for pizza soup

recipe for deep fried smoke sausage

recipe homemade apple cider

~~*recipe for easy frosting*~~

recipe for egg casserole with sausage

recipe for oatmeal pancakes

~~*recipe for malteser buns*~~

recipe for fannie may chocolate fudge

recipe for oven baked whole chicken

~~*recipe ground beef pita*~~

recipe for pot pies like marie

recipe for pork tenderloin medallions

Poorly Written Documents :

supernova 8 hc 2018 amulet lastdodo - Apr 04 2023

web emily has lost control of her amulet and is imprisoned in the void where she must find a way to escape the influence of the voice meanwhile emily s brother navin travels to

amulet sc vol 08 supernova eu hairyt com - Oct 30 2022

web 4 amulet hc 08 supernova 2022 05 15 the new higher end format of archie comics presents which offers 200 pages at a value while taking a design cue from successful

amulet hc 08 supernova volume 8 amazon nl - Nov 30 2022

web amulet hc 08 supernova by kazu kibuishi amulet hc 08 supernova by kazu kibuishi bedrock city ic pany amulet vol 07 sc firelight ic quest home page velocity ics

amulet hc 08 supernova by kazu kibuishi iet donnu edu ua - Apr 23 2022

web jun 20 2023 you could rapidly download this amulet hc 08 supernova by kazu kibuishi after securing special this amulet hc 08 supernova by kazu kibuishi as one of the

amulet 8 book eight supernova issue comic vine - Jan 01 2023

web may 23rd 2020 amulet hc gn vol 08 supernova amulet hc gn vol 08 supernova kazu kibuishi s thrilling 1 new york times bestselling series continues emily has lost control of

amulet hc 08 supernova stage gapinc com - Mar 23 2022

web may 23rd 2020 amulet hc gn vol 08 supernova amulet hc gn vol 08 supernova kazu kibuishi s thrilling 1 new york times bestselling series continues emily has lost control of

amulet hc gn vol 08 supernova librairiezbookstore com - Mar 03 2023

web select the department you want to search in

amulet hc 08 supernova by kazu kibuishi secure4 khronos - Jan 21 2022

amulet hc 08 supernova store spiralny com - Jul 27 2022

web may 23rd 2020 amulet hc gn vol 08 supernova amulet hc gn vol 08 supernova kazu kibuishi s thrilling 1 new york times bestselling series continues emily has lost control of

amulet vol 8 supernova hc midtowncomics com - Aug 08 2023

web sep 19 2018 amulet 8 supernova available in bookstores and libraries everywhere september 25th 2018 trailer credits directed and animated by denver jackson

amulet hc 08 supernova by kazu kibuishi - Sep 28 2022

web apr 18 2021 download amulet hc 08 supernova de kazu kibuishi ebooks pdf epub amulet hc 08 supernova pdf libro lee ahora descargar amulet hc 08

supernova amulet wiki fandom - Sep 09 2023

web kazu kibuishi s thrilling 1 new york times bestselling series continues emily has lost control of her amulet and is imprisoned in the void where she must find a way to escape t

[amazon com amulet 8 supernova](#) - Oct 10 2023

web hardcover 2499 free delivery wed nov 9 on 25 of items shipped by amazon or fastest delivery tue nov 8 only 10 left in stock more on the way more buying

amulet 8 behind the scenes youtube - May 05 2023

web emily has lost control of her amulet and is imprisoned in the void where she must find a way to escape the influence of the voice meanwhile emily s brother navin travels to

amulet hc gn vol 08 supernova archonia com - Feb 02 2023

web kazu kibuishi s thrilling 1 new york times bestselling series continues emily has lost control of her amulet and is imprisoned in the void where she must find a way to

amulet 8 supernova book trailer youtube - Jul 07 2023

web sep 24 2018 supernova amulet 8 by kazu kibuishi official book trailer emily has lost control of her amulet and is imprisoned in the void where she must find a way to

amulet hc 08 supernova by kazu kibuishi liululu - Aug 28 2022

web amulet hc 08 supernova pdf amulet hc 08 supernova 2 downloaded from analytics test makestories io on by guest clive ruggles and nicholas saunders the yao dian

[supernova amulet 8 by kazu kibuishi official book trailer](#) - Jun 06 2023

web supernova 8 hc from 2018 buying selling or collecting manage your amulet collection in the catalogue on lastdodo

[descargar amulet hc 08 supernova de kazu kibuishi](#) - Jun 25 2022

web amulet hc 08 supernova downloaded from stage gapinc com by guest santos tristin all summer long a c black archie 3000 is the complete collection featuring the

amulet hc 08 supernova by kazu kibuishi - Dec 20 2021

[amulet hc 08 supernova download only](#) - May 25 2022

web amulet hc 08 supernova heroes in crisis 2018 1 escape from lucien fallen empire a graphic novel cleopatra in space 5 escape from lucien a graphic novel amulet

amulet hc 08 supernova fronteraresources - Feb 19 2022

[tesccc graphing rational functions key uniport edu](#) - Feb 25 2022

web mar 24 2023 1 tescccgraphingrationalfunctionskey as recognized adventure as well as experience approximately lesson amusement as competently as deal can be gotten

tesccc graphing rational functions key pdf free voto uneal edu - Dec 26 2021

web tesccc graphing rational functions key merely said the tesccc graphing rational functions key is internationally consistent with any devices to read our online

parametric functions tesccc unit 10 orientation sutd edu - Jul 13 2023

web unit 08 lesson 01 2012 tesccc 10 09 12 page graphing rational functions key 1 2 8 6 algebra 1 an open course professional development unit 10 quadratic functions

tesccc graphing rational functions key mail eduwis edu - Nov 24 2021

web 2 tesccc graphing rational functions key 2021 10 07 applications in rice weeds combination biopesticides and how chemistry varies spatially and influences the

graphs of rational functions practice khan academy - Apr 10 2023

web jun 4 2023 drawing the graph of a rational function in this section we will use the zeros and asymptotes of the rational function to help draw the graph of a rational

7 3 graphing rational functions mathematics libretexts - Mar 09 2023

web graphing rational functions according to asymptotes opens a modal graphs of rational functions y intercept opens a modal graphs of rational functions horizontal

graphing rational functions chapter exam study com - Jul 01 2022

web may 28 2023 tesccc moella de tesccc answer key graphing rational functions graphing rational functions tesccc key unit 8 smshow de graphing rational

3 7 rational functions precalculus 2e openstax - Sep 22 2021

tescccgraphingrationalfunctionskey 2022 dev2 bryanu - Apr 29 2022

web jul 16 2023 transformation of rational parent function tesccc key 1 9 downloaded from uniport edu ng on july 16 2023 by guest transformation of rational parent function

classroom activities introduction to graphs of rational functions - Dec 06 2022

web rational function equal to zero this represents the restriction on the domain of the function 5 what transformation is being done to the graph of the rational function 1

tesccc answer key graphing rational functions imgur - Sep 03 2022

web tesccc graphing rational functions key this is likewise one of the factors by obtaining the soft documents of this tesccc graphing

tesccc graphing rational functions key share docseducation - Aug 14 2023

web tesccc graphing rational functions key tesccc answer key graphing rational functions graphing rational functions tesccc key unit 8 axerra de graphing

tesccc graphing rational functions key lms duhs edu - May 31 2022

web precalculus with limits a graphing approach texas edition accuplacer math workbook 2020 2021 clep college subject test mathematics act math tutor algebra and

tesccc graphing rational functions key pdf download only - Oct 04 2022

web discover the magic of the internet at imgur a community powered entertainment destination lift your spirits with funny jokes trending memes entertaining gifs inspiring stories viral

rational functions precalculus math khan academy - Feb 08 2023

web aug 13 2020 access these online resources for additional instruction and practice with rational functions graphing rational functions find the equation of a rational

tesccc graphing rational functions key pdf logb fonedog - Oct 24 2021

web access these online resources for additional instruction and practice with rational functions graphing rational functions find the equation of a rational function

graphs of rational functions t n m n math objectives texas - Nov 05 2022

web tesccc graphing rational functions key pdf download only red ortax org created date 9 2 2023 5 43 01 am

transformation of rational parent function tesccc key pdf - Mar 29 2022

web tesccc graphing rational functions key 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

tescccgraphingrationalfunctionskey domainlookup - Jan 27 2022

web tesccc graphing rational functions key pdf tesccc graphing rational functions key pdf book review unveiling the magic of language in a digital era where connections

11 1 graphs of rational functions mathematics libretexts - Jun 12 2023

web we combine our knowledge of rational functions and its algebra with the particular graph of the function the calculator gives the following graph to find the domain of f we

tescccgraphingrationalfunctionskey full pdf - Aug 02 2022

web graphing rational functions chapter exam free practice test instructions choose your answer to the question and click continue to see how you did then click next

16 2 3 rational functions mathematics libretexts - Jan 07 2023

web introduction to graphs of rational functions activity overview students will explore the relationship between a rational

function and its polynomial denominator via their

[5 6 rational functions college algebra 2e openstax](#) - May 11 2023

web which of the following is a possible graph of $y = f(x)$ $y = f(x)$ $y = f(x)$ equals f left parenthesis x right parenthesis dashed lines indicate asymptotes choose 1 answer

sputnik sweetheart haruki murakami książka w - Dec 29 2021

web sputnik sweetheart haruki murakami wydawnictwo muza literatura piękna 263 str 4 godz 23 min szczegóły inne wydania kup książkę narrator młody nauczyciel literatury jest zakochany w początkującej powieściopisarce sumire ona jednak darzy uczuciem miu swoją pracodawczynię niemal dwukrotnie starszą od niej

sputnik sweetheart by haruki murakami 9780375726057 - Feb 11 2023

web about sputnik sweetheart part romance part detective story sputnik sweetheart tells the story of a tangled triangle of uniquely unrequited love k is madly in love with his best friend sumire but her devotion to a writerly life precludes her

sputnik sweetheart by haruki murakami goodreads - Jul 16 2023

web apr 20 1999 sputnik sweetheart is a novel of what could have been what might have been where worlds overlap love can never quite be divorced from lust in the world of k sumire and miu sex is often mistaken for love

sputnik sweetheart haruki murakami amazon com tr - Aug 05 2022

web ayrıntılar 57 40 başlangıç fiyatıyla 3 adet yeni ürün sumire is in love with a woman seventeen years her senior but whereas miu is glamorous and successful sumire is an aspiring writer who dresses in an oversized second hand coat and heavy boots like a character in a kerouac novel

sputnik sweetheart by haruki murakami paperback barnes - May 02 2022

web apr 9 2002 part romance part detective story sputnik sweetheart tells the story of a tangled triangle of uniquely unrequited love k is madly in love with his best friend sumire but her devotion to a writerly life precludes her from any personal commitments at least that is until she meets an older woman to whom she finds herself irresistibly drawn

[sputnik sweetheart haruki murakami amazon co uk](#) - Jan 30 2022

web buy sputnik sweetheart haruki murakami by murakami haruki from amazon s fiction books store everyday low prices on a huge range of new releases and classic fiction

sputnik sweetheart guide the murakami pilgrimage - Sep 06 2022

web sputnik sweetheart narrated by the elementary school teacher simply known as k revolves around sumire and her infatuation with her older boss miu business obligations take the pair to europe and they eventually decide to

sputnik sweetheart wikipedia - Aug 17 2023

web sputnik sweetheart 〓〓〓〓〓〓〓 supūtoniku no koibito is a novel by haruki murakami published in japan by kodansha in

1999 an english translation by philip gabriel was then published in 2001

sputnik sweetheart summary supersummary - Jun 03 2022

web sputnik sweetheart is a japanese novel that follows the narrator k as his love interest falls in love with someone else and disappears under mysterious perhaps magical circumstances kodansha first published the novel in japanese in 1999 and then an english version in 2001

sputnik sweetheart by haruki murakami summary analysis - Apr 13 2023

web nov 27 2022 sputnik sweetheart by haruki murakami is a literary fiction about an elementary school teacher known as k and an aspiring writer named sumire japanese publisher kodansha first published the

sputnik sweetheart haruki murakami - Jun 15 2023

web chapter 1 in the spring of her twenty second year sumire fell in love for the first time in her life an intense love a veritable tornado sweeping across the plains flattening everything in its path tossing things up in the air ripping

sputnik sweetheart a deluxe gift edition of murakami s masterful - May 14 2023

web sputnik sweetheart a deluxe gift edition of murakami s masterful tale of unrequited love murakami collectible classics murakami haruki amazon com tr kitap

sputnik sweetheart haruki murakami - Jan 10 2023

web sputnik sweetheart posted on october 6 2014 by chung haruki murakami the internationally bestselling author of norwegian wood and the wind up bird chronicle plunges us into an urbane japan of jazz bars coffee shops jack kerouac and the beatles to tell this story of a tangled triangle of uniquely unrequited loves

haruki murakami archive org - Mar 12 2023

web sputnik sweetheart 4 sputnik on 4 october 1957 the soviet union launched the world s first man made satellite sputnik i from the baikanor space centre in the republic of kazakhstan sputnik was 58 cm in diameter weighed 83 6 kilogram s and orbited the earth in 96 minutes

sputnik sweetheart murakami haruki amazon in books - Apr 01 2022

web sputnik sweetheart is yet again a beautiful masterpiece by murakami known for his surrealistic conviction woven into a realm of magic realism murakami has never disappointed and this book simply proves that unlike his other novels this is comparatively short and tells a story of three characters sumire miu and k the narrator

sputnik sweetheart a novel amazon com - Dec 09 2022

web haruki murakami the internationally bestselling author of norwegian wood and the wind up bird chronicle plunges us into an urbane japan of jazz bars coffee shops jack kerouac and the beatles to tell this story of a tangled triangle of uniquely unrequited loves

sputnik sweetheart wikiwand - Nov 08 2022

web sputnik sweetheart 〰〰〰〰〰〰〰 supūtoniku no koibito is a novel by haruki murakami published in japan by kodansha in 1999 an english translation by philip gabriel was then published in 2001

sputnik sweetheart by haruki murakami penguin random - Jul 04 2022

web oct 15 2013 sputnik sweetheart part romance part detective story sputnik sweetheart tells the story of a tangled triangle of uniquely unrequited love k is madly in love with his best friend sumire but her devotion to a writerly life precludes her from any personal commitments

sputnik sweetheart murakami haruki complete review - Feb 28 2022

web sputnik sweetheart is a tale of unrequited loves and of those who despite deep and close friendships remain alone all of us murakami sometimes seems to suggest there is the narrator a young teacher whose name we never learn beyond the cryptic kafkaesque initial k one of the characters uses when referring to him

sputnik sweetheart murakami haruki amazon com tr kitap - Oct 07 2022

web sputnik sweetheart murakami haruki amazon com tr kitap Çerez tercihlerinizi seçin Çerez bildirimimizde ayrıntılı şekilde açıklandığı üzere alışveriş yapmanızı sağlamak alışveriş deneyiminizi iyileştirmek ve hizmetlerimizi sunmak için gerekli olan çerezleri ve benzer araçları kullanırız