

Journal Of Microcomputer Applications

Victor M. Corman

Journal Of Microcomputer Applications:

The book delves into Journal Of Microcomputer Applications. Journal Of Microcomputer Applications is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Journal Of Microcomputer Applications, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Journal Of Microcomputer Applications
 - Chapter 2: Essential Elements of Journal Of Microcomputer Applications
 - Chapter 3: Journal Of Microcomputer Applications in Everyday Life
 - Chapter 4: Journal Of Microcomputer Applications in Specific Contexts
 - ∘ Chapter 5: Conclusion
- 2. In chapter 1, the author will provide an overview of Journal Of Microcomputer Applications. The first chapter will explore what Journal Of Microcomputer Applications is, why Journal Of Microcomputer Applications is vital, and how to effectively learn about Journal Of Microcomputer Applications.
- 3. In chapter 2, the author will delve into the foundational concepts of Journal Of Microcomputer Applications. The second chapter will elucidate the essential principles that need to be understood to grasp Journal Of Microcomputer Applications in its entirety.
- 4. In chapter 3, the author will examine the practical applications of Journal Of Microcomputer Applications in daily life. This chapter will showcase real-world examples of how Journal Of Microcomputer Applications can be effectively utilized in everyday scenarios.
- 5. In chapter 4, this book will scrutinize the relevance of Journal Of Microcomputer Applications in specific contexts. The fourth chapter will explore how Journal Of Microcomputer Applications is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, the author will draw a conclusion about Journal Of Microcomputer Applications. The final chapter will summarize the key points that have been discussed throughout the book.

 This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Journal Of Microcomputer Applications.

Table of Contents Journal Of Microcomputer Applications

- 1. Understanding the eBook Journal Of Microcomputer Applications
 - The Rise of Digital Reading Journal Of Microcomputer Applications
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Journal Of Microcomputer Applications
 - 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 Journal Of Microcomputer Applications
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Journal Of Microcomputer Applications
 - Personalized Recommendations
 - Journal Of Microcomputer Applications User Reviews and Ratings
 - Journal Of Microcomputer Applications and Bestseller Lists
- 5. Accessing Journal Of Microcomputer Applications Free and Paid eBooks
 - Journal Of Microcomputer Applications Public Domain eBooks
 - Journal Of Microcomputer Applications eBook Subscription Services
 - Journal Of Microcomputer Applications Budget-Friendly Options
- 6. Navigating Journal Of Microcomputer Applications eBook Formats
 - ePub, PDF, MOBI, and More
 - Journal Of Microcomputer Applications Compatibility with Devices
 - Journal Of Microcomputer Applications Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Journal Of Microcomputer Applications
 - Highlighting and Note-Taking Journal Of Microcomputer Applications
 - Interactive Elements Journal Of Microcomputer Applications

- 8. Staying Engaged with Journal Of Microcomputer Applications
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Journal Of Microcomputer Applications
- 9. Balancing eBooks and Physical Books Journal Of Microcomputer Applications
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Journal Of Microcomputer Applications
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Journal Of Microcomputer Applications
 - Setting Reading Goals Journal Of Microcomputer Applications
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Journal Of Microcomputer Applications
 - Fact-Checking eBook Content of Journal Of Microcomputer Applications
 - 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

Journal Of Microcomputer Applications Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project

Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Journal Of Microcomputer Applications free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Journal Of Microcomputer Applications free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Journal Of Microcomputer Applications free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Journal Of Microcomputer Applications. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Journal Of Microcomputer Applications any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Journal Of Microcomputer Applications 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. Journal Of Microcomputer Applications is one of the best book in our library for free trial. We provide copy of Journal Of Microcomputer Applications in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Journal Of Microcomputer Applications. Where to download Journal Of Microcomputer Applications online for free? Are you looking for Journal Of Microcomputer Applications 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 Journal Of Microcomputer Applications. 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 Journal Of Microcomputer Applications 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 Journal Of Microcomputer Applications. 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 Journal Of Microcomputer Applications To get started finding Journal Of Microcomputer Applications, 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 Journal Of Microcomputer Applications So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Journal Of Microcomputer Applications. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Journal Of Microcomputer Applications, 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. Journal Of Microcomputer Applications 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, Journal Of Microcomputer Applications is universally compatible with any devices to read.

Find Journal Of Microcomputer Applications:

md80 mini dv camera manual mckay western society study guide answers mechanical vibrations by singiresu s rao 5th edition solution manual md 200 thermo king operation manual mean jean recess queen activities

mechanical vibrations solutions manual meant for her love and danger book

mdu btech electrical workshop lab manual

 $\underline{mcquay\ chiller\ product\ manual}$

mcquay ptac manual

mcintosh c45 user guide

mcquarrie physical chemistry solutions manual

mct2 practice test for 3rd grade

mechanical technology grade 12 question papers

md 6210 manual

Journal Of Microcomputer Applications:

 ${\it garden~guides~leaf~structure~of~a~bean~plant} \text{ - Jan~09~2023}$

web sep 21 2017 internal structure the top and bottom of bean leaves are covered in a protective cuticle that restricts air

flow helps prevent sunburn and prevents excess water loss below this layer is the epidermis which also acts as a protective layer while managing gas exchange on the top side of the leaf just below the epidermis is a mesophyll layer labeled bean plant diagram and functions - Dec 28 2021

web labeled bean plant diagram and functions the seed biology place seed structure and anatomy cell organelles and function with labels flashcards quizlet label the bean plant by choralsongster teaching parts of a seed southwestern university functions of plant parts qld science teachers animal cell biology pictures animal cell diagram

pdf labeled bean plant diagram and functions - Aug 16 2023

web labeled bean plant diagram and functions one bean mar 23 2023 describes what happens to a bean as it is soaked planted watered reported and eventually produces pods with more beans inside practical advanced biology may 21 2020 an accessible resource that can be used alongside the advanced biology text or

bean plant vector art icons and graphics for free download - Sep 05 2022

web browse 9 673 incredible bean plant vectors icons clipart graphics and backgrounds for royalty free download from the creative contributors at vecteezy

label a bean plant labelled diagram wordwall - Jul 15 2023

web drag and drop the pins to their correct place on the image bean shoot roots stem leaf flower pod make an interactive teaching resource in one minute

labeled bean plant diagram and functions - Jul 03 2022

web bean seeds insert the label with the date how does a seed become a plant a labeled diagram of the plant cell and functions of its june 21st 2018 a labeled diagram of the plant cell and functions of its organelles structure and functions life cycle of a bean plant online kptm edu my 2 8

labeled bean plant diagram and functions - Jan 29 2022

web label a bean plant game by aligoucher tes resources plant cells structures functions amp diagram june 20th 2018 here s a summary of the structure and function of plant

labeled bean plant diagram and functions - Feb 27 2022

web labeled diagram of the plant cell and functions of its organelles structure and functions life cycle of a bean plant lima bean diagram worksheet betterlesson june 20th 2018 lima bean diagram worksheet lima bean i asked students to raise their hand if they showed their labeled lima bean to their looked at a baby lima bean plant label the

labeled bean plant diagram and functions liululu - Jun 14 2023

web plant cell structure and parts explained with a labeled diagram life cycle of a bean plant labeled plant cell diagram and functions animal cell functions bean plant activities introduction bean plants provide a monocot and dicot plants activity seed

anatomy the function of each part of the bean transcript of life cycle of a lima

labeled bean plant diagram and functions lia erc gov - Feb 10 2023

web a labeled diagram of the plant cell and functions of its organelles structure and functions life cycle of a bean plant download a powerpoint or an image showing labelled and

labeled bean plant diagram and functions - May 01 2022

web along with fill in the blank animal cell diagram moreover parts of labeled bean plant label label parts plant diagram label the plant worksheets june 15th 2018 plant worksheets intermediate part 1 match the part of each plant with its function label the parts of a bean on the diagram includes young plant the parts of a growing bean seed

labeled bean plant diagram and functions - Oct 06 2022

web june 20th 2018 here s a summary of the structure and function of plant cells plant cell parts functions amp diagrams click here for a labeled diagram of this cell plant cells vs animal cells with diagrams owlcation

labeled bean plant diagram and functions - Jun 02 2022

web june $21st\ 2018$ my seed study lab 13g include the function 1 lima bean plant label the diagram of a bean plant using the following terms label the parts of a plant engine diagram and wiring diagram

labeled bean plant diagram and functions rhur impacthub net - Aug 04 2022

web june 14th 2018 students will be able to draw and label a diagram of a plant lima bean plants and to location to label all the main plant parts on the sample diagram plant cell structure and parts explained with a labeled

free pdf download labeled bean plant diagram and functions - May 13 2023

web branching programs and binary decision diagrams jun 29 2023 finite functions in particular boolean functions play a fundamental role in computer science and discrete mathematics this book describes representations of boolean functions that have small size for many important functions and which allow efficient work with the represented

labeledbeanplantdiagramandfunctions pdf - Nov 07 2022

web labeled bean plant diagram and functions labeled bean plant diagram and functions the parts of a growing bean seed garden guides lesson 3 parts of a plant campuskitchens org lima bean anatomy pdf betterlesson parts of

labeled bean plant diagram and functions - Mar 31 2022

web jul 27 2023 june 21st 2018 a labeled diagram of the plant cell and functions of its organelles structure and functions life cycle of a bean plant parts of the plant diagram exploring nature science online kptm edu my 1 4 parts of a bean plant diagram art things to share and remember - Apr 12 2023

web may 26 2018 preschool gardening art project for children to learn the parts of a plant create a parts of a bean plant diagram art with paper yarn tissue paper and cardstock

labeled bean plant diagram and functions - Mar 11 2023

web june 21st 2018 a labeled diagram of the plant cell and functions of its organelles structure and functions life cycle of a bean plant affiliates mypthub net 1 11 parts of a plant diagram tutorvista

bean wikipedia - Dec 08 2022

web terminology the word bean and its germanic cognates e g german bohne have existed in common use in west germanic languages since before the 12th century referring to broad beans chickpeas and other pod borne seeds this was long before the new world genus phaseolus was known in europe with the columbian exchange of domestic

mazda f1300 pick up traveltop6 net - Jul 08 2022

web learn more explore the full range of mazda models in singapore get the latest deals test drive suvs hatchback sedans coupes more at a service centre near you

lookup mazda 1300 vin and get history with specs vindecoderz - Jan 14 2023

web smooth 1 298cc inline 4 cylinder engine with ycc t sportsbike type aluminium frame for agile handling new 6 speed transmission for dynamic acceleration assist and slipper

samsung galaxy f13 price in malaysia specs technave - May 06 2022

web buy a used mazda f1300 for sale we provide thousands of second hand f1300 in good condition for sale by trusted mazda dealers and owners

mazda f1300 manual transmission pickup for sale philkotse - Jan 02 2022

yamaha motor singapore hong leong corporation holdings - Oct 11 2022

web oct 20 2023 thousands of mazda f1000 in cars in south africa junk mail landrum stock appearing front coil springs f1300 free mazda b2500 1999 for sale b2500 1999 best

mazda official site designed and built with outstanding dynamics - Apr 05 2022

web find great deals on mazda f1300 manual transmission pickup best prices by reliable sellers with verified identity and correct information

buy mazda f1300 for sale in the philippines philkotse - May 18 2023

web find great deals on mazda f1300 pickup below 250 000 by reliable sellers with verified identity and correct information spotlight lexusrzdebuts navaraepower

mazda f1300 pick up online kptm edu my - Jun 07 2022

web it s another way mazda lets you focus on what matters driving view all features view available colours sedan colours hatchback colours experience with us

mazda 1300 dimensions 1974 carsguide - Dec 13 2022

web brand yamaha model yamaha fjr1300 type of vehicle sport tourers

fujitsu asia launches scansnap ix1300 a model that fujitsu - Aug 09 2022

web the samsung galaxy f13 is powered by a exynos 850 8nm cpu processor with 64gb 4gb ram 128gb 4gb ram the device also has a 6 6 inch pls lcd 1080 x 2408

f1300 mazda 2 door pick up youtube - Feb 15 2023

web 15 06 2019 the new mazda 3 is coming to singapore soon here s all you need to know about its huge slew of totally new features and how it could even be an affordable luxury

brand new yamaha fjr1300 for sale in singapore sgbikemart - Sep 10 2022

web mazda r100 1200 1300 1000 ute pick up sedan coupe wagon mazda f1000 in cars in south africa junk mail landrum stock appearing front coil springs f1300

mazda 1300 specifications features equipment and performance - Jun 19 2023

web from 152 888 mazda2 hatch from 162 888 mazda3 hatch sedan from 201 888 mazda6 sedan from 194 888 mazda mx 30 crossover suv from 216 888 mazda

cheapest mazda f1300 pickup for sale philkotse - Aug 21 2023

web this is an online automotive information provider of mazda 1300 specifications and features equipment and performance including fuel economy transmission warranty engine

aftersales service appointment mazda singapore - Dec 01 2021

used and 2nd hand mazda f1300 for sale at cheap prices - Feb 03 2022

from 162 888 mazda official site mazda com - Mar 04 2022

web monday friday 8am 6pm saturdays 8am 12 30pm sunday public holiday closed 24 hour recovery tel 65 6472 1155 book your service appointment here at

mazda familia 1300 specifications technical data - Oct 23 2023

web feb 28 2013 familia the mazda familia 1300 is a rear wheel drive vehicle with its engine positioned in the front and a saloon body the 4 cylinder single overhead camshaft

vehicles mazda - Apr 17 2023

web this online service allows a user to check the validity of the car and get detailed information on almost any vin search for mazda 1300 car parts and check the car s history the vin

mazda 1300 technical specs fuel consumption - Jul 20 2023

web thousands of new used mazda f1300 for sale in philippines from certified owners and car dealers click to check the list of available f1300 for sale

new 2019 mazda 3 in singapore all you need to know updated - Nov 12 2022

web oct 5 2021 of course setting up the wi fi from the pc is easy too use the ix1300 upon unboxing from pc smartphones or tablets about scansnap series the scansnap

cheapest used mazda f1300 pickup for sale philkotse - Sep 22 2023

web cheapest mazda f1300 pickup for sale browse thousands of low priced new and used mazda f1300 pickup in good condition reliable sellers with verified identity and

mazda f1300 pickup under 250 000 philkotse - Mar 16 2023

web the height measured from the ground to the top of the car is 1380 mm across all variants the width is 1540 mm across all variants the length is 3855 mm across all variants see

pearson baccalaureate history single party states 2023 - May 15 2022

web we come up with the money for pearson baccalaureate history single party states and numerous books collections from fictions to scientific research in any way in the midst

ba in history course details admission fees syllabus - Dec 10 2021

web jun 17 2021	
	21 000 00000000 00000 000000 8960 00000 0000

buy history authoritarian and single party states pearson - Jan 23 2023

web oct 15 2010 history authoritarian and single party states pearson international baccalaureate diploma international editions pearson baccalaureate

pearson baccalaureate history c20th world authoritarian and - Feb 21 2023

web book overview three student books with complete coverage of the most popular history topics causes practices and effects of war authoritarian and single party states cold

pearson baccalaureate history single party states wrbb neu - Jan 11 2022

web oct 1 2013 11 october 2023 ashoka university ug admission 2024 apply till nov 22 2023 ba history is a 3 year course that deals with the growth and development of

9780435032647 pearson baccalaureate history c20th world - Apr 25 2023

web extensive practice in analysing a wide range of different source materials free online resources to support and extend study at pearsonbacconline com com

pearson baccalaureate history c20th world authoritarian and - Jul 17 2022

web history at the same time the stories shed light on what it means to be a hoosier today and in the past the move to global war ib history online course book joanna thomas

history authoritarian and single party states - Dec 22 2022

web 9780435032647 pearson baccalaureate history 20th century world authoritarian and single party states sample40 english deutsch français español português italiano

history causes practices and effects of wars for the ib diploma - Mar 25 2023

web pearson baccalaureate history c20th world authoritarian and single party states for the ib diploma by brian mimmack daniela senes eunice price filter results

______ - Nov 08 2021

9780435032647 pearson baccalaureate history 20th century - Nov 20 2022

web isbn 9780435032647 taschenbuch pearson baccalaureate 2010 condition gebraucht gebraucht wie neu unbenutzt wie neu an exciting new textbook for

pearson baccalaureate history authoritarian and single party - Aug 30 2023

web may 22 2013 provides comprehensive coverage of the authoritarian and single party states topic with a clear overview and detailed analysis of key leaders and events uses

history authoritarian and single party states pearson - Oct 20 2022

web contains maps timelines original footage and articles on the history of cuba under fidel castro weblink 1 7 cuban propaganda posters will help you understand cuba s view on

ap united states history - Jul 29 2023

web pearson baccalaureate ib diploma pearson baccalaureate for the ib diploma history a comprehensive guide to paper history authoritarian and single party

pearson baccalaureate history c20th world - Jun 27 2023

web pearson baccalaureate history authoritarian and single party states print and ebook bundle mimmack brian price eunice senes daniela amazon com au books

20th century world authoritarian and single party states - Sep 30 2023

web pearson baccalaureate history single party states will include sharply focused chapters not only on the rise and rule of mao and stalin but also nasser nyerere peron and castro

pearson baccalaureate history single party states pdf - Mar 13 2022

web b a in history the bachelor of arts degree in history is designed to expand and enrich a student s knowledge of history to encourage critical thinking about the world and to

pearson baccalaureate history single party states 2022 dna - Aug 18 2022

web jun 13 2013 get free shipping on pearson baccalaureate history c20th world authoritarian and single party states ebook only edition for the ib diploma etext by

pearson baccalaureate history single party states - Jun 15 2022

web history for the ib diploma origins and development of authoritarian and single party states access to history for the ib diploma the mexican revolution 1884 1940

history b a degrees programs tarleton state university - Feb 09 2022

web pearson baccalaureate history single party states 2023 07 10 pranav wang history for the ib diploma paper 3 nationalism and independence in india 1919 1964 biteback

pearson baccalaureate history authoritarian states 2nd edition - Sep 18 2022

web pearson baccalaureate history single party states man is the measure history for the ib diploma paper 2 authoritarian states 20th century essentials global politics

pearson baccalaureate history authoritarian and single party - May 27 2023

web history authoritarian and single party states pearson international baccalaureate diploma international editions by mimmack brian and a great selection of related

pearson baccalaureate history single party states - Apr 13 2022

web aug 19 2023 pearson baccalaureate history single party states 1 9 downloaded from uniport edu ng on august 19 2023 by guest pearson baccalaureate history single