

Small Computers

Library of Congress

Small Computers:

Make Projects: Small Form Factor PCs Duane Wessels, Matthew Weaver, 2008-04-23 This book demonstrates how to build small form factor PCs from kits and from scratch It includes step by step instructions for building eight different systems and projects for building digital audio jukeboxes digital video recorders wi fi extenders and more Small Business Computer Crime Prevention Act, H.R. 3075 United States. Congress. House. Committee on Small Business. Subcommittee on Antitrust and Restraint of Trade Activities Affecting Small Business, 1983 **Computer Literature Bibliography:** Security for Small Computer Systems Tricia Saddington, 2014-05-16 Security for Small **1946-1963** W. W. Youden, 1965 Computer Systems A Practical Guide for Users is a guidebook for security concerns for small computers The book provides security advice for the end users of small computers in different aspects of computing security Chapter 1 discusses the security and threats and Chapter 2 covers the physical aspect of computer security The text also talks about the protection of data and then deals with the defenses against fraud Survival planning and risk assessment are also encompassed The last chapter tackles security management from an organizational perspective The book will be of great use to users of a small Computer Literature Bibliography United States. National Bureau of Standards, 1965 **NDU-DODCI** computer system **Course Catalog** Dept. of Defense Computer Institute (U.S.),1984 Country Market Survey ,1983 *Library of Congress* Subject Headings Library of Congress, 1992 Computers and Peripheral Equipment, Italy ,1983 **Proceedings** ,1969

When somebody should go to the books stores, search initiation by shop, shelf by shelf, it is really problematic. This is why we allow the books compilations in this website. It will unconditionally ease you to see guide **Small Computers** as you such as.

By searching the title, publisher, or authors of guide you in fact want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be all best area within net connections. If you target to download and install the Small Computers, it is utterly easy then, back currently we extend the connect to purchase and make bargains to download and install Small Computers hence simple!

https://archive.kdd.org/results/publication/Download_PDFS/Susan_Lenox_Her_Rise_And_Fall.pdf

Table of Contents Small Computers

- 1. Understanding the eBook Small Computers
 - The Rise of Digital Reading Small Computers
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Small Computers
 - 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 Small Computers
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Small Computers
 - Personalized Recommendations
 - Small Computers User Reviews and Ratings
 - Small Computers and Bestseller Lists

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

Small Computers Introduction

In the digital age, access to information has become easier than ever before. The ability to download Small Computers 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 Small Computers has opened up a world of possibilities. Downloading Small Computers 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 Small Computers 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 Small Computers. 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 Small Computers. 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 Small Computers, 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 Small Computers 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 Small Computers Books

- 1. Where can I buy Small Computers books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Small Computers book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Small Computers books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Small Computers audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media

- or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
- 10. Can I read Small Computers books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Small Computers:

susan lenox her rise and fall survey methods in social investigation. surviving our teens survey of the occult dictionary of the occult

swan song froggy-can

survival guide for teenagers with ld learning differences

swallowing your pride and other english expressions

sweet clara and the freedom quilt teachers resource literacy & values survival weapon

suzy mckee charnas octavia butler joan d vinge starmont readers guide number 23 sustainable cities and energy policies

sustainable environmental management principles and practice

swazi south african kingdom

surrendered love redeeming grace.

sustainable development law principles practices and prospects

Small Computers:

resources ib chemistree - Mar 11 2023

web official ib chemistry data booklet 2016 ver download download exam information standard level paper 1 45 min for 30 mcq official ib chemistry guide 2016 ver official ib chemistry data booklet 2016 ver download download exam information standard level paper 1 45 min for 30 mcq $^{\circ}$

ib sl chemistry data let 2014 book ftp sdchip - Jan 29 2022

web ib sl chemistry data let 2014 is available in our digital library an online access to it is set as public so you can get it instantly our books collection hosts in multiple locations allowing you to get the most less latency time to download any of our books like this one

chemistry data booklet the mad scientist - Jul 15 2023

web published june 2014 published on behalf of the international baccalaureate organization a not for profit known as the ib offers four high quality 2 chemistry data booklet 3 the electromagnetic spectrum 4 fundamental particles proton neutron electron

ib chemistry data booklet tiber tutor sail through the ib - Dec 08 2022

web the ib chemistry data booklet is used in the ib chemistry paper 2 and paper 3 exams it has several sections including formulae equations numerical values and properties the ib chemistry formula booklet is necessary for many of the calculations you will cover in the ib chemistry syllabus

ib diploma chemistry pearson - Jan 09 2023

web chemistry standard level 2nd edition print and etext 2014 9781447959069 47 30 chemistry standard level 2nd edition ebook only edition 9781447959076 34 30 chemistry higher level 2nd edition print and etext 2014 9781447959755 60 00 discussing the use of ib chemistry data booklet the edge - Jul 03 2022

web founded in 2008 the edge has helped thousands of students improve their act and sat scores as well as their ib and ap grades the ac team has just finished off a very successful year in which 84 62 of their clients were accepted into one of their top 3 schools and an astounding 48 15 of their ivy plus applicants were accepted

ib chemistry data let forms asmedu org - Feb 27 2022

web ib chemistry data let ib chemistry data let 2 downloaded from forms asmedu org on 2020 08 30 by guest catalytic and stereoselective processes right up to the use of supercritical liquids written by renowned experts this volume contains a wealth of vital and practical information for both newcomers to the

ib chemistry data booklet 2016 pdf google drive - Sep 05 2022

web ib chemistry data booklet 2016 pdf ib chemistry data booklet 2016 pdf share sign in details chemistry data booklet ms poulton s science math class - Feb 10 2023

web published june 2014 published on behalf of the international baccalaureate organization a not for profit known as the ib offers four high quality 2 chemistry data booklet 3 the electromagnetic spectrum 4 fundamental particles proton neutron electron mass kg

chemistry data booklet ib chemistry revision notes and syllabus - Sep 17 2023

web published june 2014 published on behalf of the international baccalaureate organization a not for profit educational

foundation of 15 route des morillons 1218 le grand saconnex geneva switzerland by the international baccalaureate organization uk ltd peterson house malthouse avenue cardiff gate cardiff wales cf23 8gl united kingdom webs chemistry data booklet - Jun 14 2023

web this diploma programme dp chemistry data booklet accompanies the dp chemistry guide and dp chemistry teacher support material it contains chemical and physical equations and constants chemical symbols the periodic table and other chemical data relevant to the course

chemistry data booklet ib alchemy - May 13 2023

web published february 2014 international baccalaureate organization 2014 4073 16 ligands 17 colour wheel 18 lattice enthalpies at 298 k experimental values 19 enthalpies of aqueous solutions 20 enthalpies of hydration 21 strengths of organic acids and bases 22 acid base indicators 23

ib sl chemistry data let 2014 book wp lacalera gob - May 01 2022

web ib sl chemistry data let 2014 ib sl chemistry data let 2014 2 downloaded from wp lacalera gob ar on 2023 02 02 by guest implement analyze and interpret the results of most experiments with crops designed specifically for the non statistician this valuable guide focuses on the practical problems of the field researcher throughout it

latest ib chemistry data booklet chemswot com - Nov 07 2022

web the ib chemistry data booklet is a useful reference tool for students taking the exam the booklet includes constants and conversion factors a copy of the periodic table thermochemical data such as enthalpies of formation and combustion and bond energies equilibrium constants solubility product constants spectroscopy data and nuclear data

chemistry in the dp international baccalaureate - Oct 06 2022

web sep 13 2023 chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills it is often called the central science as chemical principles underpin both the physical environment in which we live and all biological systems

ib chemistry data let 2014 freewebmasterhelp - Mar 31 2022

web mar 10 2023 chemistry for the ib myp 4 5 annie termaat 2016 08 22 the only series for myp 4 and 5 developed exclusively with the ib drive meaningful inquiry through a unique concept driven narrative international baccalaureate organization chemistry data - Apr 12 2023

web ib diploma programme chemistry data booklet march 2003 5 7 first ionization energy electron affinity and electronegativity of the elements 669 ac1 1 510 ra 0 9 381 fr 0 7 1040 rn 920 at 2 2 812 po 2 0 703 bi 1 9 716 pb1 8 590 tl chemistry data booklet - Aug 16 2023

web chemistry data booklet first assessment 2016 third edition diploma programme chemistry data booklet published june

2014 updated january 2016 published on behalf of the international baccalaureate organization a not for profit educational foundation of 15 route des morillons 1218 le grand saconnex geneva switzerland by the

chemistry ib data booklet - Jun 02 2022

web ib chemistry data booklet 6 days ago ibsurvival com jan 14 2022 file information views 590 downloads 28 submitted january 14 file size 1 77 mb report previous file ib a eng lit study guide

chemistry updates international baccalaureate - Aug 04 2022

web jun 6 2023 this page contains the latest updates on the diploma programme dp chemistry course the new dp chemistry course will be launched in february 2023 for first teaching in august 2023 first assessment will take place in may 2025 below you will find an overview of the course updates

nomenclature worksheet 7 naming hydrocarbons answers key - Jun 20 2022

web naming and drawing hydrocarbons practice worksheets naming alkanes alkenes and alkynes drawing structures 31 organic chemistry nomenclature worksheet with

naming hydrocarbons worksheet and key tsfx - Aug 03 2023

web alkenes contain carbon carbon double bonds and are unsaturated hydrocarbons with the molecular formula is c n h 2n this is also the same molecular formula as cycloalkanes

nomenclature naming unsaturated hydrocarbons chemistry - Aug 23 2022

web aug 19 2023 answers to nomenclature worksheet 7 naming hydrocarbons 1 name the following hydrocarbons c4h10 butane c5h12 pentane c3h8 propane

nomenclature worksheet 7 naming hydrocarbons answers - Apr 18 2022

web aug 8 2023 web naming hydrocarbons worksheet and key web worksheets are naming hydrocarbons work and key hydrocarbons hydrocarbons work answers

nomenclature worksheet 7 naming hydrocarbons answers - Jan 16 2022

nomenclature worksheet 7 naming hydrocarbons answers - Dec 15 2021

1 6 iupac nomenclature chemistry libretexts - Jul 22 2022

web nomenclature 7 naming hydrocarbons answers the handy chemistry answer book feb 05 2022 simplifying the complex chemical reactions that take place in everyday

solved nomenclature worksheet 7 naming hydrocarbons - Sep 23 2022

web answers concept clarity with 1000 concepts 50 concept videos 100 exam readiness with previous year s exam questions

mcqs chemistry class xi sbpd

4 2 names and structures for hydrocarbons - Jul 02 2023

web in naming the branched hydrocarbon the name of the substituent is combined with the parent name of the hydrocarbon without spaces however there is likely one more step

drawing hydrocarbons worksheet with answers pdf prof - Feb 14 2022

nomenclature7naminghydrocarbonsanswers - May 20 2022

web web worksheets are naming hydrocarbons work and key hydrocarbons hydrocarbons work answers naming hydrocarbons naming hydrocarbons

how to name hydrocarbons the university of western australia - Mar 30 2023

web identify the position of any multiple bonds from the number s in the name and then write the condensed structural formula reveal answer q 86147 show solution reveal answer

10 3 nomenclature of hydrocarbons and alkyl halides - Feb 26 2023

web basic rules of nomenclature of hydrocarbons 1 identification of the parent hydrocarbon chain 2 identification of the parent functional group if any with the highest order of

hydrocarbons and functional groups practice khan - Nov 25 2022

web a systematic way of naming hydrocarbons and other organic compounds has been devised by the international union of pure and applied chemistry iupac these rules

nomenclature 7 naming hydrocarbons answers - Nov 13 2021

8 hydrocarbons structure nomenclature questions - Jan 28 2023

web nomenclature worksheet 7 naming hydrocarbons please complete the following table formula of hydrocarbon name of hydrocarbon 1 methane 2 octene 3 propyne 4

3 2 nomenclature of unsaturated hydrocarbons - Dec 27 2022

web mar 28 2016 for example the name hexane is changed to hex 1 ene if the compound contains multiple double bonds a multiplicative prefix is placed before the ending ene

7 4 naming alkenes chemistry libretexts - Jun 01 2023

web 1 the first part of the name is based on the length of the longest carbon chain in the molecule 2 the end of the name is given by the number of bonds between carbon

hydrocarbons organic chemistry worksheets 14 16 - Sep 04 2023

web 7 6 ethyl 2 octyne 8 3 methylhexane 9 4 ethyl 2 3 dimethylheptane 10 5 ethyl 2 4 6 trimethyloctane 11 3 4 diethyl 2 hexene 12 cyclobutene 13 benzene 14 2 7 8

nomenclature of hydrocarbons definition examples diagrams - Oct 25 2022

web nomenclature worksheet 7 naming hydrocarbons petroleum or crude oil is a mixture of hydrocarbons which are molecules that contain only carbon and hydrogen

nomenclature worksheet 7 naming hydrocarbons answer key - Oct 05 2023

web key 1 octane 2 25 dimethyloctane 3 55 dimethyl 3 heptene 4 13 diethylcyclopentane 5 4 nonene 6 cyclopropane 7 6 ethyl 2 octyne 8 3 methylhexane 9 4 ethyl 23

nomenclature 7 naming hydrocarbons answers pdf - Mar 18 2022

web this nomenclature 7 naming hydrocarbons answers as one of the most committed sellers here will very be in the middle of the best options to review chemistry carson

16 3 branched hydrocarbons chemistry libretexts - Apr 30 2023

web 7 solids liquids and gases questions 9 organic functional groups structure nomenclature questions friedrich quietmaster programmable sm18l30a manuals - Jun 14 2023

web friedrich quietmaster programmable sm18130a pdf user manuals view online or download friedrich quietmaster programmable sm18130a service manual installation and operation manual specifications quick reference manual friedrich sm18130a b manuals manualslib - May 132023

web manuals and user guides for friedrich sm18l30a b we have 2 friedrich sm18l30a b manuals available for free pdf download service manual parts manual friedrich sm18l30a b service manual 36 pages

friedrich sm18l30a d manuals manualslib - Apr 12 2023

web manuals and user guides for friedrich sm18l30a d we have 1 friedrich sm18l30a d manual available for free pdf download parts manual friedrich sm18l30a d parts manual 25 pages

friedrich quietmaster sm18l30a quick reference manual - Feb 10 2023

web download quick reference manual of friedrich quietmaster sm18l30a air conditioner for free or view it online on all guides com this version of friedrich quietmaster sm18l30a manual compatible with such list of devices as quietmaster ss08l10 quietmaster ss10l10 quietmaster ss12l10 quietmaster ss14l10 quietmaster

friedrich quietmaster sl28l30 specifications manualslib - Sep 05 2022

web view and download friedrich quietmaster sl28l30 specifications online friedrich quietmaster sl28l30 specifications quietmaster sl28l30 air conditioner pdf manual download also for quietmaster sm18l30a quietmaster sm21l30 q

friedrich quietmaster sm18l30a sendmail3 screenrec com - Feb 27 2022

web friedrich quietmaster sm18l30a keywords sm18l30a friedrich quietmaster created date 4 1 2023 2 27 49 am

appliances home and kitchen appliances plessers com - Aug 04 2022

web we would like to show you a description here but the site won t allow us

friedrich quietmaster sm18l30a quick reference manual - Jul 15 2023

web download this manual operation installation manual quick reference guide for models with electronic controls only room air conditioner touch the power button the unit will automatically be in regular cooling mode with the temperature set at 75 f 24 c and the fan speed at f1 sleep

friedrich quietmaster sm18l30a secure4 khronos - Dec 28 2021

web be bewildered to enjoy every book gatherings friedrich quietmaster sm18l30a that we will definitely offer nevertheless below when you visit this web page it will be suitably no question easy to get as without difficulty as acquire guide friedrich quietmaster sm18l30a get the friedrich quietmaster sm18l30a join that we have the funding for

friedrich quietmaster sm18l30a - Mar 31 2022

web 2 friedrich quietmaster sm18l30a 2023 04 21 original part was out of stock but she found me the last available of the updated part april 22 2015 google trusted store re view friedrich sm18j30a parts air conditionersview and down load friedrich quietmaster sl28l30 specifications online frie

friedrich sm18l30a 17 500 btu room air conditioner with 4 - Aug 16 2023

web friedrich quietmaster programmable series sm18l30a 17 500 btu room air conditioner with 4 fan speeds one touch operation remote control and 375 cfm room air circulation 5 average rating of 1 review quick specs width 25 15 16 inch depth 27 3 8 inch height 17 15 16 inch cooling capacity btu 17 500 btu cfm room circulation 375

friedrich quietmaster sm18l30a manuals friedrich air - Dec 08 2022

web friedrich quietmaster sm18l30a manuals select type of friedrich quietmaster sm18l30a manual you need download it for free view online or read consumers feedback and opinions 853 956 documents

friedrich quietmaster sm18l30a guía de referencia rápida - Jul 03 2022

web ver y descargar friedrich quietmaster sm18l30a guía de referencia rápida online quietmaster sm18l30a controladores descargar manual en pdf

friedrich sm18l30a 17 500 btu room air conditioner with 4 - Nov 07 2022

web friedrich sm18l30a 17 500 btu room air conditioner with 4 fan speeds one touch operation remote control and 375 cfm room air circulation brand friedrich

friedrich quietmaster sm18l30a copy - Jun 02 2022

web thank you for downloading friedrich quietmaster sm18l30a maybe you have knowledge that people have look numerous times for their chosen books like this friedrich quietmaster sm18l30a but end up in harmful downloads rather than reading a good book with a cup of tea in the afternoon instead they cope with some

friedrich quietmaster sm18 manuals manualslib - Jan 09 2023

web manuals and user guides for friedrich quietmaster sm18 we have 7 friedrich quietmaster sm18 manuals available for free pdf download installation and operation manual operating manual

friedrich guietmaster 2008 service manual pdf - Oct 06 2022

web air conditioner friedrich quietmaster sl28l30 specifications friedrich quietmaster sl28l30 specifications 2 pages air conditioner friedrich quietmaster sm18l30a quick reference manual friedrich quietmaster sm18l30a quick reference 2 pages air conditioner friedrich twintemp eq08l11a specifications

friedrich sm18j30a parts air conditioners appliance factory - May 01 2022

web dec 22 2014 13 parts available for this model the seller was helpful and exceeded my expectations i usually only buy online from amazon com but google s trusted stores feature was just as good december 22 2014 google trusted store review part categories for friedrich sm18j30a filters other parts panels accessories for all

friedrich sm18l30a c manuals manualslib - Mar 11 2023

web friedrich sm18l30a c manuals manuals and user guides for friedrich sm18l30a c we have 2 friedrich sm18l30a c manuals available for free pdf download service manual parts manual

friedrich quietmaster sm18l30a - Jan 29 2022

web friedrich quietmaster sm18l30a 1 friedrich quietmaster sm18l30a getting the books friedrich quietmaster sm18l30a now is not type of inspiring means you could not single handedly going subsequent to books hoard or library or borrowing from your connections to entrance them this is an entirely simple means to specifically acquire lead by on line