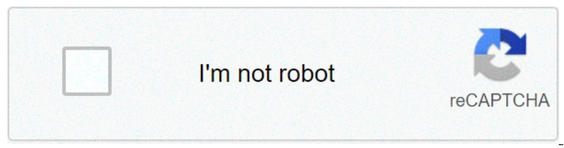

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Computer systems have 4 main types of components: input devices output devices processing devices Storage devices Some devices can fall more than one of the above categories. Example A touchscreen for smartphone is both an output input device. Input â € "The device perceives where you touch the output screen â €" The device displays graphics and text on the screen. Processing devices are devices that perform calculations on inputs and send data to output devices for data output to the user. An example would be: Input â € "The user presses the space bar. Processing â € "The computer processes the space bar as a signal for a computer game character to jump into a game. The computer calculates the new location of the game of the game output â € "The computer sends the new image of the screen to the screen to issue the new position to the user. Computer processing devices include: storage devices are used to store data that the computer uses. There are 2 types of storage devices, primary and secondary. The primary storage devices are used to temporarily store the data that the processor must perform calculations. The primary storage is electronically stored, which means that the data can read and write very quickly, but it is volatile â € "if the computer's power is off, all stored data is deleted. Examples of primary storage are: secondary storage devices store data in one of the 3 optical, magnetic or solid state formats. Secondary Storage reads and writes the data more slowly than primary storage, but the devices are not volatile â € "if the power is deactivated, the stored data still remains. Examples of secondary storage include: hard disks optical disk units sd cards pen drives storage devices (primary and secondary) will be covered in detail in a future lesson. Click the Green button to load the slide worksheet. Access your Google account. Click File> Make a copy. Fill out the worksheet ... After you finish adding the worksheet for the topic 1 Google slides! Step 3 flows the worksheet Add a slide title â € œComponents of a computer systemâ € ™ to your Google slides and write a couple of paragraphs on today's lesson content. It is not necessary to enter too much in detail on input, output or storage devices because these will be covered in depth in future lessons. Complete the following quiz on the quizmaster site. Components of a Computer System Review Quiz Unit 1: Types and Components of Computer Systems 1.1 Hardware and Software: The hardware is a general term for the machines and electronic parts of the system as keyboard, mooe, monitor, processor, circuit board and so on. software is a general term for programs used to operate a computer there are two types of software: + system software: System software is computer software designed for computer hardware operation and control and provides architecture for application software execution. system software can be dividedtwo types, operating systems and software utilities.+ application software: application software is a program that can make a computer to direct a certain job that the user wants to perform. Here are some photos: 1.2 MAIN COMPUTER SYSTEM: Input devices: keyboard, mouse, scanner, digital camera, joystick. Output devices: monitor, printer, plotter, projector, speaker, headphones, lights / led. Secondary storage devices: R/W DVD disc, removable hard drive, flash memory drive, external hard drive. * There are four key components: _ central processing units (CPU) _ internal hard drive _ random access memory (RAM) _ read only memory (ROM)* The central processing unit (CPU) - interprets and executes commands from computer hardware and software. The internal hard drive - is the main memory of the computer. This is where application software, disk operating system and data files are stored. Random Access Memory (RAM) - is an internal chip where data is stored temporarily during application execution. Read only memory (ROM) - is a memory used to store information that must be permanent. HERE There are some comments: 1.3 OPERATION SYSTEMS General tasks for a typical operating system include: + control of the operation of input, output and backup storage devices + supervision of loading, running and storage of application programs + handling errors occurring in application programs + maintaining the security of the entire computer system + maintaining a computer registry (which contains details of computer usage) + allowing communication between the user and the computer system (user interface) * Management line interfaces It is a means to interact with a computer program where the user issues commands to the program in the form of successive lines of text (command lines). * Graphical user interfaces One of the most common is the window icons menu and the flagship device (WIMP) which was developed for use on personal computer (PCs) In recent years, devices such as touch screen phones use post - WIMP interaction, where fingers are in contact with the screen. 1.4 COMPETITION TYPES * Computer PC/desktop Advantages+ Spare parts and connections tend to be standardized, which usually results in low costs.+ Desktops tend to have a better specification for a given price (often due to size and construction constraints on laptops)+ The large casing allows a good dissipation of any heat accumulation. Disadvantages+ Desktops are not particularly portable as they are made up of separate components.+ All components must be connected by wiring, which canquite complex and swallows the desk space. +Because they are not particularly portable, you need to copy files, etc. When you want to do some work elsewhere * Laptop Computer (or notebook) refers to a type of computer where the monitor, keyboard, tip device and processor are all together in a single unit The main features are: + low weight (to help help help help help you help+ low energy consumption (and also long battery life) + a processor that does not generate too much heat (cooling is very important). Benefits + They are very portable, since the monitor, tip device, keyboard, processor and store backup units are all together in a single box+. There are no pulling wires+ They can take advantage of WIFI+ Since they are portable, they can connect to any multimedia system Disadvantages+ Since they are portable, they are easy to steal!+ They were limited battery life so that the user might need to bring a heavy adaptor+ Keyboards and pointing devices can sometimes be uncomfortable to use+ Heat dissipation is more difficult due to laptop structure * NetbooksDisadvantages+ Netbooks have no optical drives+ Keyboards are only about 80 percent the size of portable keyboards+ Some of the features that are found in larger machines, mainly due to size constraints and the fact that they are cheaper to purchase * Personal Digital Assistants Benefits+ Can be used anywhere due to their size+ They are very light and are more portable than laptops Disadvantages+ It is difficult to quickly insert text+ They have very limited capabilities due to the software and operating system used * mainframe computer Use The main features of the main frame computers are as follows+ They can have different CPU+ They have very fast processor speeds + They can support multiple operating systems+ They have huge amounts of storage capacity+ They have huge internal memories+ Often they operate using time sharing or batch processingAdvantages+ Can be used to do great jobs+ Very powerful services offered+ I am able to very large number crunchingDisvantages+ Mainframe computers must be permanently stored in a large room, so they can't be moved around+ They are very expensive to use and maintain 1.5 TABLETSTablet are a relatively new laptop Some of the typical features of tablets include; + high definition, anti-reflective display + front and rear cameras + lower weight and longer battery life of laptop+ Bluetooth connection to printers and other devices + flash (solid state) memory and cloud storage to back up and synchronize (often just indicated as synchronization) data sources + sensors to perform the following functions Benefits + very fast to activate (without delay of time waiting that the Windows system loaded on +) completely portable are so light Applications as (like the built-in camera, MP3/4 players and so on+) do not generate any heard – they use solid state technology + the battery life of a tablet is much longer + when the power button is pressed it goes into standby but remains connected to the so the user still hears alerts when e-mails or other “events” are received Disadvantages + often have memory or limited memory compared to a laptop + can be expensive to execute if you access the Internet frequently via 3G/4G/5G+ mobile networks typing on a touch screen can be slow and error-prone i compared to a standard keyboard + often file transfer needs to be done through an App Store; the lack of a drag and drop application can be irritating for users + laptops tend to support more types of file formats than tablets, and are also better equipped to run different types of software 1.6 SMARTPH Smartphones allow you to make regular phone calls but they also have an operating system (like Android or Windows), which allows you to run various computer applicationsAdvantage+ Smartphones today have integrated many features of other simple tools, from clocks to contacts, compass... all in one small device.+ It’s âcompact and affordable Bass Disadvantage+ Battery capacity+ Application error and frequent reboot+ expensive+ very easy for other people can get unauthorized access to information remotely personal data and use it for purposes they are sure you do not want and it is difficult to track the f Allow you to return equity. 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