Assignment

) Booting Process Computer, when the cpv is first switched on it has nothing inside the memory. In order to start the Computer, load the OS into the Main Memory and then Computer is heady to take commands from the cises.

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easily extendible

1) if a pervice crashes, it

does reflect on working

2) Functions 9 05:

- Provide Security

- Job accounting

- Error detecting aids

Other Software and users - Coordination between

- Menory management

- Process Management

- Device management.

3) Unified Extensible Firmware Interface (UEFI) It is a publicly available specification that defines a software interface between an Operating system and platform fremware DEFI can support remote diagnostics and suppoir of computers, even with no sperating system installed.

Keinel 4) Microkenel and Monolithic Application Application] Uson VFS, System Cally Applicate Union Device File Server Doing Server IPC, File system Space Schedular Victual Memory Koind Basic IPC, Virtual Memory, 3cheduling Device Driver, Dispatcher Space Hardware Hardware Monolithic Kernel Microkornel 1) In monolithic keenel, both In microterna user services user services & kernel services and kernel, services are are kept in the same address Kept in separate address space. space 2) Monolithic Kernel is larger 2) Microkernel are smaller in size 3) Slow execution than microkernel 3) Fast execution 4) The microkernel is 4) The monolithic Keenel is easily extendible hard to extend. 5) If a service crashes, it 5) If a service crashes, the whole system crashes in monolithic does reflect on working Keenel of microkernel 6) Less code is required. 6) More code is suguered 7) Ex: QNX, Symbian, 4) Ex: Linux, BSDs (Free BSD, 14 Linux; Singularity, Open BSD, Net BSD) Microsoft K42, Mac OSX Integrity, Windows (95,98, Me) Solaris, Pike OS, HURD, Minix OS-9 AIX, HP-UX, DOS, OpenVMS, XTS-400 etc and Coyotos.

Legacy booting.

It is the boot process used by basic enpet output system (BIOS) firemware. The firmware maintains a list à înstalled storage devices that may be bostable (floppy disk deines, hard disk drives, Optical disk decires, tape obsives, etc.) and enumerates them in a configurable order of fectority

6) BIOS (Basic enpet Output System) BIOS is a very small piece of code contained on a chip on your system board . When you start your computer, BIOS is the first software that ruens. It identifies your Computers hardware, configures et, étest it, and connects it to the Operating System for further instruction.

7) Commands to check disk partition in Windows a) diskpart
b) list disk

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but not per. Start mountailer.

trong , and windows Employer.

thirdness interfere the

5) select disk grumber }

d) clean selection of side of the

9) create partition primary

1) select partition 1.

g) active

h) format fs=fat32 quick.

In command prompt type sources msc you can start and stop survices to rin.

9) WINDOWS: 8
- Released in 1985. It was supposed to be a graphical user interface on top of MS-005. All features. of MS-DOS were later integrated With windows 95 release, this lead to Windows beansition.

structure Windows follows a directory structure to stone the different kinds of the file of the usu. It has logical drivers and cabinet drawers. It also has folders like documents, pictures, music videos and downloads. music, videos and downloads.

> New folders can be created. It can have files such as spreadsheet or an application program, which has extensions as . . txt, ijpg etc. Has . Recycle bin for deleted files, it can be configured to increase its size.

Registry-Windows registry is a master database that It is suspensible for Storing all user information with its passwords, and device relate information The englisting also has an editor which allows Jou to view all keys and values or even drivers if necessary.

Interchanged Windows interface was not interchangeable until

Windows 8. Windows XP had some improvements · but not per . Start menu, taskbar, system tray, and Windows Emploses.

Command terminal

A terminal or command prompt is a black box ideally used to execute commands. It is also Ealled the Windows Common of Processon It is used to execute commands and deferent batch files . It can also be used for administrative functions & troubleshoot & Solve all windows issues.

MACO DE CE CESTADO DE This DS from Apple Stands older than Windows. It was first released in 1984. Began as a GUI oright from its inceptn. In 2005 the design and stometure of MAC 05 were changed to Intel x86 parsed architecture

The file structure of MAC is commonly known Mac's hard disc through the finder, you will see many directories. You can emplose the file system and directory structure by going to directories like /Applicath/Developa, 1sbin, 1tmp, elc.

Mac stores all applicator settings in a series of plies files, which have the various projerences folder in MAC. This plist file contains format. These are stored at:

1 Library Profesences folder MAC has a facility to bridge. Viertual rectirork

interfaces. This can be done by going to system pereferences and managing the interfaces

That a console a console as a terminal of the state of command line, if thompt is terminal of terminal of command - line is used to type your commands. Prompt will provide you with some informate a also enable you to twen commands. A terminal is actual interface that will provide the modern graphical user interface as well

Application -> Utilities (terminal location)

LINUX.

- Developed at Finnish University, released in.
1991 2 designed for GNU developers. GNU late
developers later it into Linux. Consumers
use it as per their specification.

- Lênux has a completely different file structus
from Windows and MAC. It was developed with
a differend code base. It stores date in
the form of a tree, and all your driver are
mounted by this tree.

Linux also does not have a specific registry of its own. All application setting is stored on a giprogram hasis under the different used in the same him as they forment of the files being stored. There is no contralized database for staring these details, and so periodic cleaning is also not required hinex is easy to switch interfaces. You can switch the environment without having to carry all installations. There are utilities

19) List the Step to Check disk partitions in windows

Step 1:

Right click on this PC Step 2:

Step 3: Choose 'mange' from the pop-up menu.
Step 4: Navigate to Storage -> Dist management in
navigation panel.

1) List the steps to start / stop services in windows Step1: +Lit windows key + R to open the sun window. Step 2: Type in services msc in the open: box Step3: Services dialog box/window will open Step 4: Select the service to start / stop Step 5. Choose the relevant option to operate

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FAT32 and NTFS Companison Chart

NTFS FAT32 Complex stemeter Simple structure Basic 255 Masamum no of char-actus suppo-Maximum file size is 16TB Maximumfile size is 49B Encepption is provided - Encepption is not provided Local and network security Network type Not allowed Permitted Conversto Automatic troubles host No provision for Fault tolerance fault tolerance Compatible with OS. Later version. Compatibile with Win NT/2K/XP/Vista/7 old windows, reasion -Win 95/98/2K/2K3/XP OS Access Yes control List No Has user level disk Space - User level disk Space is not present of perevious operations Journaling & channel log is absent Performance better than FAB? - Performance is good - Hard & Soft links is It contains hard & soft not pecesent Accessing speed of mole Accessing speed is Supposet file compression Compression No provision of Competession