Name : Salma Rani

Sap : Id 54194

Instructor : Mam Ayesha

Subject : Operating system(lab)

(Lab 2)

Task 1:

What is the advantage of virtualization over dual boot?

Virtualization is better than dual boot because you can run multiple OSs at the same time without rebooting ,take sanpshots for safety,and easily manage or remove them.Dual boot gives better performance but needs restarting to switch OS.

Task 2:

What is the difference between a directory and a subdirectory?

Directory:A folder that stores files or other folders .e.g C:\Users.

Subdirectory:A folder inside another directory.e.g :C:\Users\Salma (here Salma is subdirectory of Users)

Task 3:

Why does the relative path depend on the current directory?

Relative path depends on the current directory because it is defined in relation to where you are :changing the current directory changes the meaning of the path.

Task 4:

Why does the absolute path always start with / ?

Because absolute path always starts from the root directory of the file system ,and in operating system the root is represented by /.This shows the path is complete and not dependent on the current directory.

Task 5:

How is the home directory different from the root directory?

Root directory (/)is the top most directory of the entire file system.

Home directory (/home/username) is the personel workspace of a specific user inside the file system.

Root=starting point of the whole system.

Home=starting point for a particular user