SEMP Assignment 1

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Difference between UNIX and Windows Operating System

Parameters	UNIX	WINDOWS
Basic	It is a command-based operating system.	It is a menu based operating system.
Licensing	It is an open-source system which can be used to under General Public License.	It is a proprietary software owned by Microsoft.
User Interface	It has a text base interface, making it harder to grasp for newcomers.	It has a Graphical User Interface, making it simpler to use.
Processing	It supports Multiprocessing.	It supports Multithreading.
File System	It uses Unix File System (UFS) that comprises STD.ERR and STD.IO file systems.	It uses File Allocation System (FAT32) and new technology file system (NTFS).
Security	It is more secure as all changes to the system require explicit user permission.	It is less secure compared to UNIX.
Data Backup & Recovery	It is tedious to create a backup and recovery system in UNIX, but it is improving with the introduction of new distributions of Unix.	It has an integrated backup and recovery system that make it simpler to use.

Hardware	Hardware support is limited in UNIX system. Some hardware might not have drivers built for them.	Drivers are available for almost all the hardware.
Reliability	Unix and its distributions are well known for being very stable to run.	Although Windows has been stable in recent years, it is still to match the stability provided by Unix systems.
Case Sensitive	It is fully case-sensitive, and files can be considered separate files.	It has case sensitivity as an option.

Conclusions :

1. This report has compared Linux and windows by providing the some of points compared according to different parameters between the two.
2. The two operating systems are both important to computer users and none of them is different to another, but we can say they are just fundamentally different to each other.

3. They are both operating systems and an operating system is one of the most important computer applications as it manages data in it,
4. They provide the users with the interface to use the computer and it also makes the computer to run which is one of the most important point of having an operating system on your computer