SEMP Assignment 1

# Name : Om Gurav

**MIS : 112003047**

# Div : 1

**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