## LSP Name - Anil Gupty Reg. No. - 2141007073 Task - 6

privilege levels are mornaged with system of Permissions that dictate which users com access and modify file, directories and other system resources.

## - Kernel mode:

ternal model is a privileged mode in which the operating system kernel operates. It has complete access to all system resources and hardware.

## - Features:

Full System Access: The kernel com execute any instruction and access any memory address.

privileged Instructions: Kernel mode can execute privileged instructions that are restricted in o mode (eg. I/Opperations, process management). Resource management: The kernal manages systems

resources such as memory, CPU and devicel.

Searnity and stability: Runing in ternal mode provides high privileges but also high risk, as errors com crash the entire system.

## User mode:

noon so les a restricted mode in which user applications operate. It has limited access to system resource and - Features:

Restricted Accels: It can not direitly access keronal relounces and handwarre.

safety: Kernal enhancing system stability and seurokey.

Somboxing: Each user process runs in its own Somoboxed environment

System calls: User process interact with the kernel through system call.