What is Kernel

Kernel is a low-level systems software which provides you link between hardware and operating system, so it has naturally control over everything in the system. We can also say Kernel’s main role is to manage hardware resources for the user. It means, Kernel is basically heart or core of Operating system. Whenever a system starts, the Kernel is one of the starting programs at the beginning because the Kernel has to handle the rest of the thing of the system for the Operating System.

Kernel responsibles for,

1. Access computer source

2. Process Management

3. Device Management

4. Memory Management

5. Interrupt Handling

6. I/O File Comminication

7. File System and so on

If you want to learn which kernel are you using in your computer. You can write your Linux Shell “uname -a”

It is the core part of the operating system and manages the CPU, memory, and peripheral devices. The kernel is the lowest level of the OS.