

1. • **Kernel Mode**• **Interrupt**

- Are signals sent to the CPU by external devices, normally I/O devices.
- Tells the CPU to stop its current activities and execute the appropriate part of the operating system (**Interrupt Handler**).
- Has three different types

1) **Hardware Interrupts**

- * Are generated by hardware devices to signal that they need some attention from the OS.
- * May be due to receiving some data

Examples

- Keystrokes on the keyboard
- Receiving data on the ethernet card

- * May be due to completing a task which the operating system previously requested

Examples

Such as transferring data between the hard drive and memory

2) **Software Interrupts**3) **Traps**