Monday, 26 October 2020

Interrupt Types:

9:08 AM

- Device Interrupt: Interrupt + generated by peripheral devices lik mouse and KB etc.

- Program interrupts/Exceptions: Interrupts generated by programs when

- Faults: Intempts and software crashes.

- faults: Intempts have is a permanent nature generated when there is a permanent nature travelure taut tike mem or HDD evastes.

- When an interrupt is seceived the kernel consult.

the IDT (Interrupt dispotent table). Part of the always loaded to will save the state of the current association.

propro on kernel stack.

- Interrupts when raised are

Prioritised. This Priority is maintained to stack
according to levels called IPL (Interrupt LIFO
Priority levels). (0-31)

Interrupt '15 receired; other interropts and Hen disabled so that the proun that deals he interrept can't itself be interropted.

The System now jumps to the interrupt Service You tine (ISR) using interript dispatch table (IDT).

State of the Current test procen is saved on the Kernel Stack.

> The Source of the interropt is ; don't fied; for example 17-18 trandware, Exception or softwar interraby.

After the Interrupt is trandled, the interruph reed to be restored so that any for the interropts can be death with

Once Completed, the State of the interrupted test procen is restored using the values served on The Rernel Stack. Then the process Contineous.