Sir in week one lectures, we study that higher level interface will eventually be converted to interrupt level. All interrupts are in bios, all routines for digital logic to be operated are in bios but how does it justify why interrupts are in bios?

Secondly, microcode and bios are both in ROM and are both firmware but should not be synonymous to each other be cause bios is hardwired and microcode is not hardwired logic. Hence they are not the same.

But you have said the opposite in lectures and also in lectures it is mentioned all interrupts have microcode programs but since they are in bios and hardwired, they won't have microcode programs. Please confirm if this is correct.

Microcode – Micro-Programming

Firmware

Softwired – hardwired

BIOS—Microcode – Interrupts service routines

Interrupt vector table –

System Calls –

Application Programming Interface

Relationship Between System Call and Interrupt

* Software interrupt facilitates communication with the kernel to invoke a system call.



