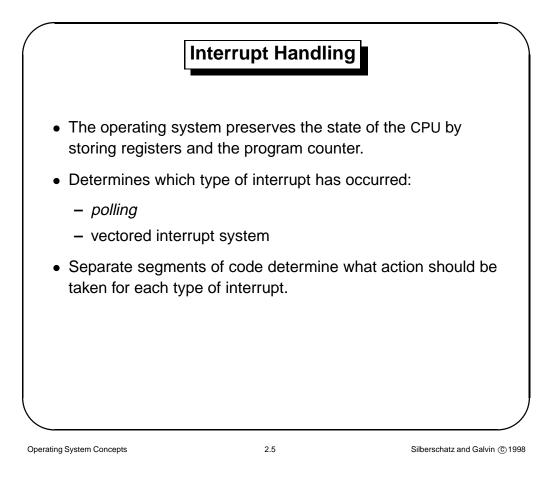
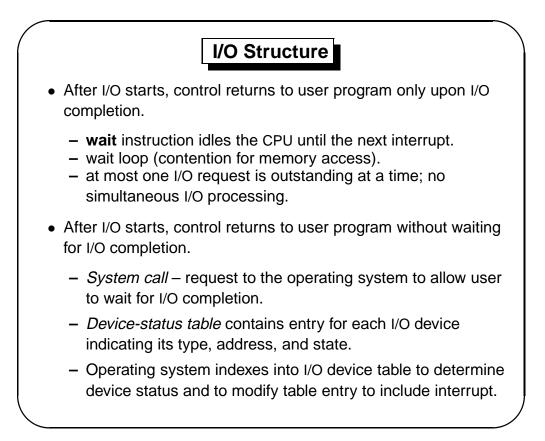
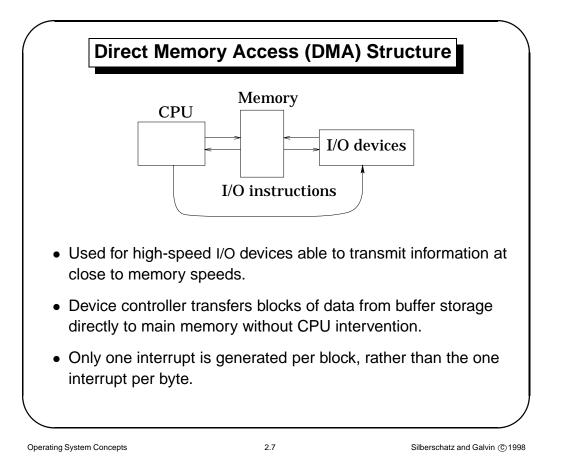


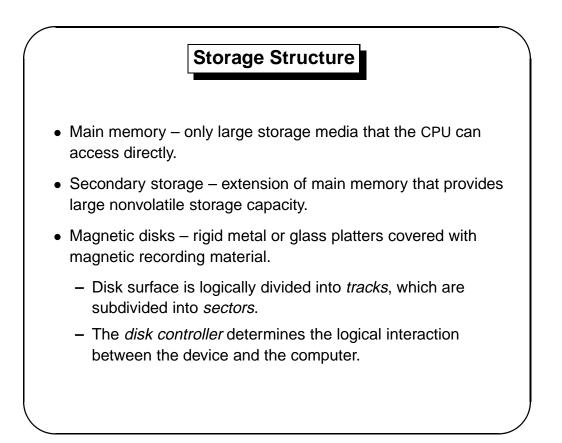
23

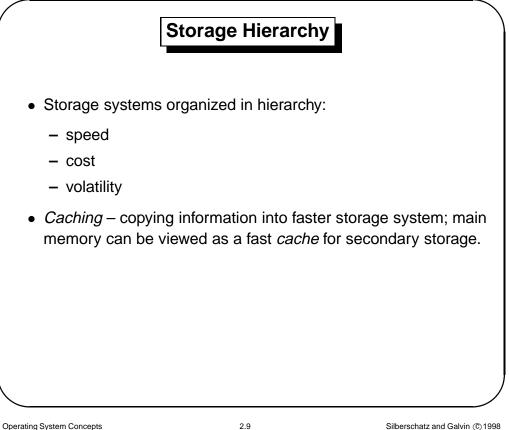
Common Functions of Interrupts Interrupt transfers control to the interrupt service routine, generally, through the *interrupt vector*, which contains the addresses of all the service routines. • Interrupt architecture must save the address of the interrupted instruction. • Incoming interrupts are *disabled* while another interrupt is being processed to prevent a lost interrupt. • A *trap* is a software-generated interrupt caused either by an error or a user request. • An operating system is *interrupt driven*.

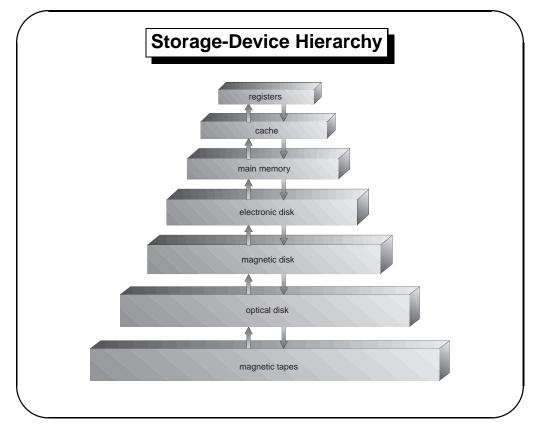


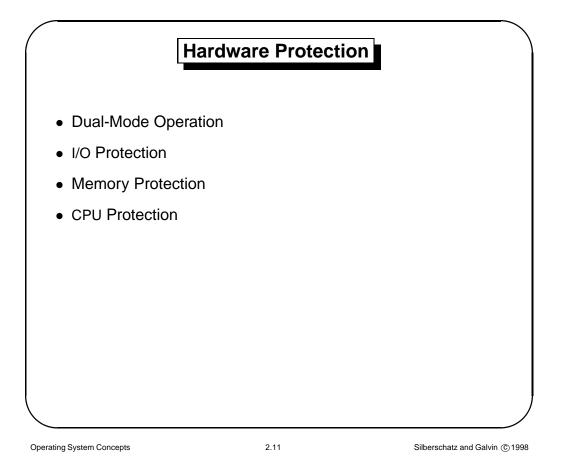


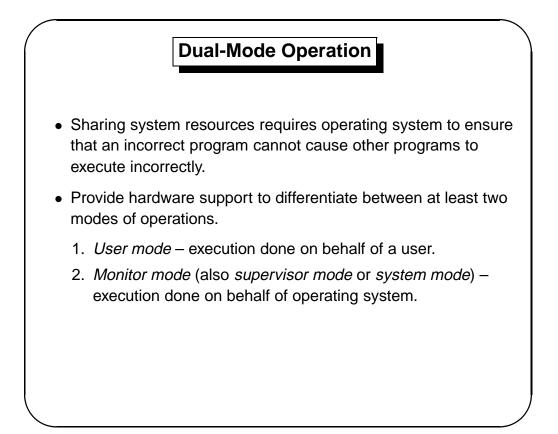


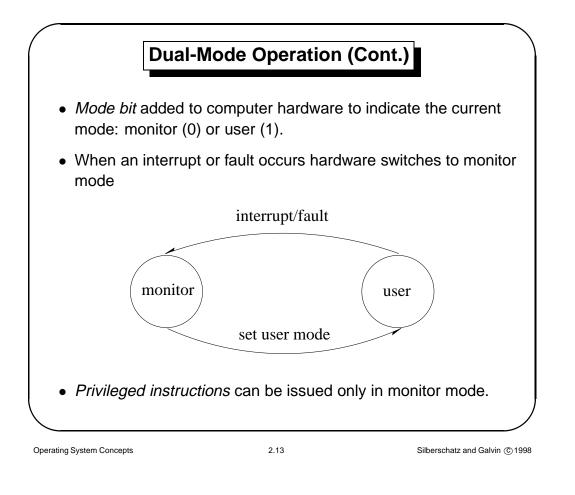


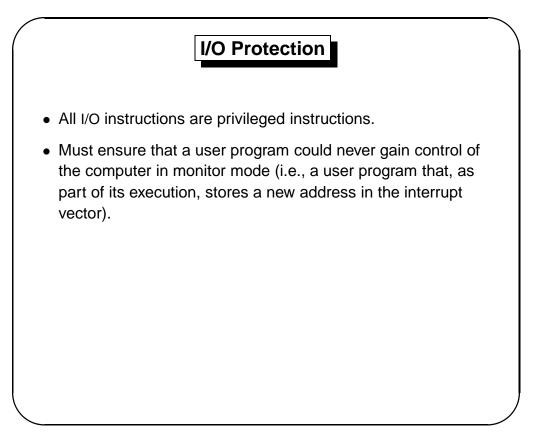


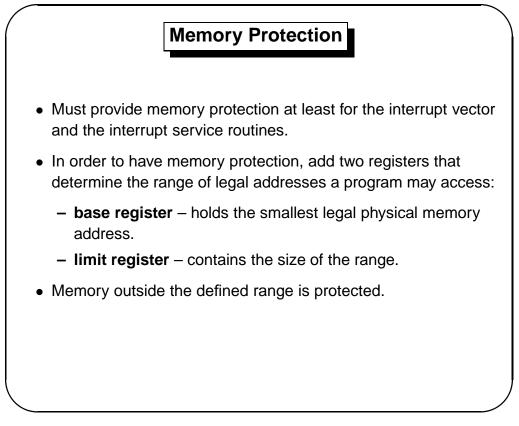




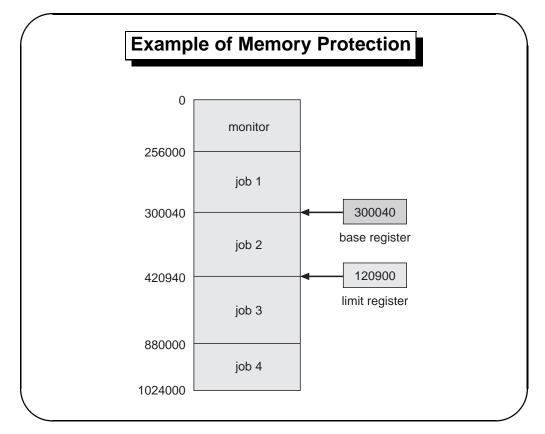


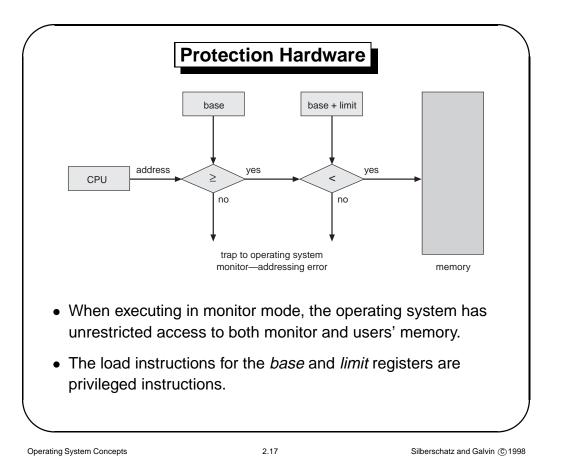


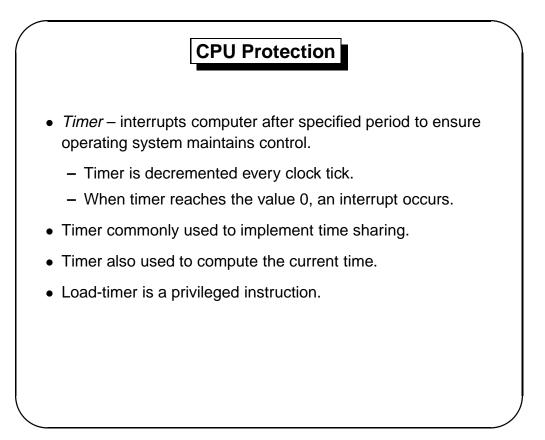


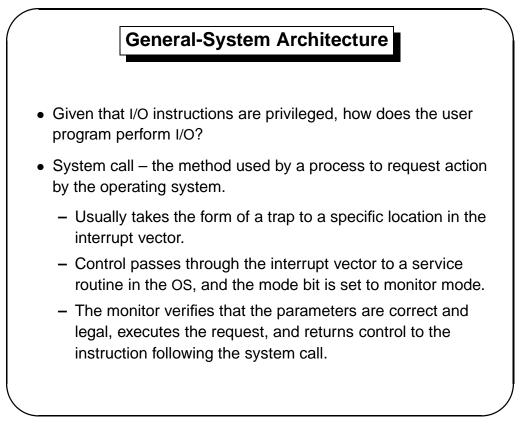


2.15









2.19