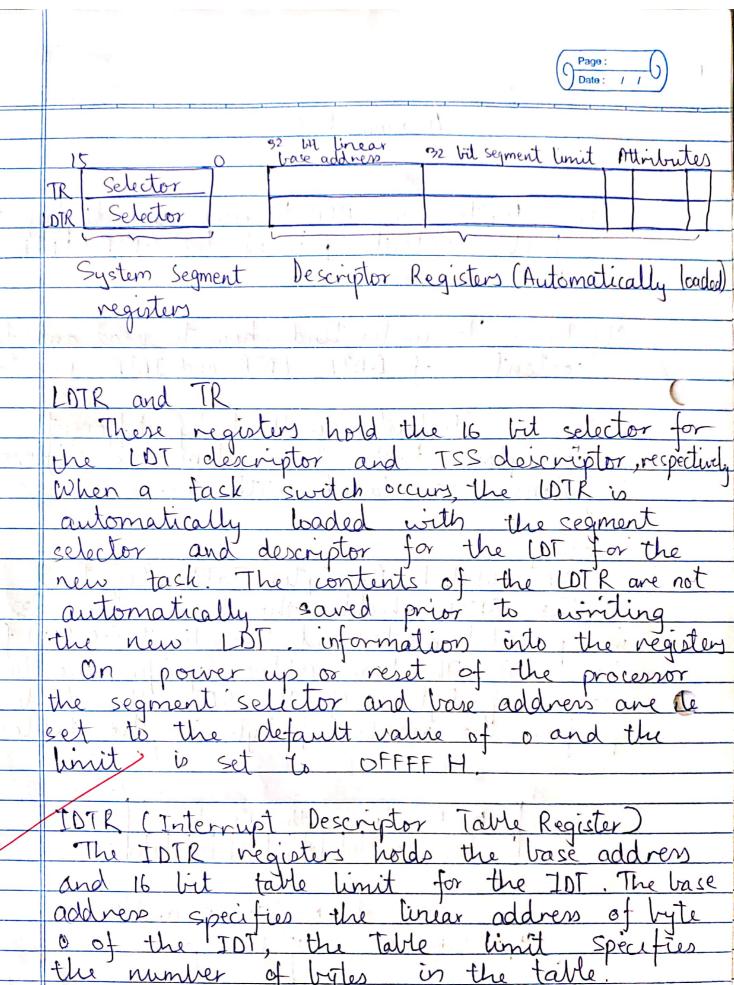
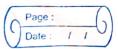
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Assignment - 6 Title: Write an ALP to read and display the table content pointed by GDTR/LDTR and Objective: To understand how to read and display contents of GDTR, LDTR and IDTR registers. Outcome Students will study différent decemptons tables in system also différent registers associated with it. GDTR (Hobal Descriptor Table Register) The GDTR holds the base address (32 bit) in protected mode and the limit (16 bit) for the GDT. The bare address specifies the linear address of byte o of the GDT; the table limit specifies the number of bytes is the table. Page Faudt Linear Address Register CR2Page Directory Base Address 00000000000000000 Control Registers 2 and 5 GDTR IDTR System address Registers





Instructions: D LGDT: This instruction is used to load the GDT register The source operands specifies a 6 byte memory location that contains the base address and the limit (size of table in bytes) of the GDT Used in OS software. (2) SGDT: This instruction is used to stone the contents of GDTR register. The destination operand specifies a 6 byte memony location where we want to store—the contents. 3) UDT: This instruction is used to store load the IOT register. The source operand specifies a 6 byte memory location that contains the base address and the limit (Size of table in bytes) of the JDT. Osed only in OS software in not used in application mai programs. u) SIDT: This instruction is used to store the contents of IDTR register. The destination operand specifies a 6 byte minory location where we want to store the contents.

