MP PRACTICAL ASSIGNMENT

Ques Explain successive addition algorithm with explain.

Ans Consider that a byte is present in AL register and second byte is present in the BL register. In successive addition method, one number is accepted and other number is taken as a counter. The first number is added with itself, till the decrements to 0

Results is stored in DX register. Display the result using display routine

For example:

AL = 12H ; BL = 10H

Result = 12H + 12H + 12H + 12H + 12H + 12H + 12H + 12H + 12H + 12H + 12H

Result = 0120 H

Algorithm:

STEP 1: Initialize the data segment.
STEP 2: Get the first number.
STEP 3: Get the second number.
STEP 4: Initialize result to '0'
STEP 5: Result = Result + First number
STEP 6: Decrement counter
STEP 7: If counter ≠ 0: goto step 5
STEP 8: Display the result.
STEP 9: Stop.

MP PRACTICAL ASSIGNMENT

Ques 2. Explain what is Interrupt

Ans 2 Interrupts cause the processor to temporarily suspend its present program to execute a program of higher priority as an interrupt is a response by the processor to an event that needs attention from the software.