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**Course: CSE331L**

**Q1)How can we terminate a program immediately? Are stack 500H and org**

**500H the same?**

We use INT (interrupt) to terminate a program immediately. The work of int is to interrupt the process and we normally return the control to the OS by using these 2 instructions:

mov ah, 4ch

int 21h

Now stack 500H and org 500H are not the same. 500H is used in exe template to reserve space in the stack and org 500H is used in com template that sets the current address to 500H.

**Q2)Write an Assembly code to put 09H in a register and 01H in another register, add the values and finally decrement the resultant sum value.**

.model small

.stack 100h

.data

.code

mov ax, 09h

mov bx, 01h

add ax, bx

dec ax

mov ah, 4ch

int 21h