;Write ALP to add 2 numbers stored in memory and then display the sum to the user on the output device

section .data

msg db "\*\*Basic Mathematics Operations\*\*",13,10

len equ $-msg

msg1 db "Sum :",13,10

len1 equ $-msg1

section .bss

sum resb 1

section .text

global \_start

\_start:

mov ECX,msg

mov EDX,len

mov EBX,1

mov EAX,4

int 80h

nop

mov ECX,msg1

mov EDX,len1

mov EBX,1

mov EAX,4

int 80h

nop

;\*\*\*\*\*ADDITION\*\*\*\*\*

mov AX,'6'

;Convert ASCII 6 to Decimal 6

sub AX,'0'

mov BX,'2'

;Convert ASCII 2 TO Decimal 2

sub BL,'0'

;Add 6 and 2 to Sum

add AL,BL

add AX,'0'

mov [sum],AX

;print the result

mov ECX,sum

mov EDX,1

mov EBX,1

mov EAX,4

int 80h

nop