;Write a ALP to accept 2 numbers from user and display the addition of the two numbers

section .data

msg1 db "Enter first number:",13,10

len1 equ $-msg1

msg2 db "Enter second number:",13,10

len2 equ $-msg2

msg3 db "Result is:"

len3 equ $-msg3

section .bss

num1 resb 1

num2 resb 1

res resb 1

section .data

global \_start

\_start:

MOV ECX,msg1

MOV EDX,len1

MOV EBX,1

MOV EAX,4

int 80h

MOV EAX,3

MOV EBX,0

MOV ECX,num1

MOV EDX,2

int 80h

MOV ECX,msg2

MOV EDX,len2

MOV EBX,1

MOV EAX,4

int 80h

MOV EAX,3

MOV EBX,0

MOV ECX,num2

MOV EDX,2

int 80h

MOV ECX,msg3

MOV EDX,len3

MOV EBX,1

MOV EAX,4

int 80h

MOV EAX,[num1]

SUB EAX,'0'

MOV EBX,[num2]

SUB EBX,'0'

ADD EAX,EBX

ADD EAX,'0'

MOV [res],EAX

MOV ECX,res

MOV EDX,2

MOV EAX,4

MOV EBX,1

int 80h

MOV EAX,1

int 80h

OUTPUT:

