#Menu-driven Arithmetic operations

.8086

.model small

.data

msg1 db 'Enter Option $'

msg2 db '1:Addition $'

msg3 db '2:Subtraction $'

msg4 db '3:Multiplication $'

msg5 db '4:Division $'

num1 dw 708Ah

num2 dw 6064h

result1 dw ?

result2 dw ?

.code

start:

mov ax, @data

mov ds, ax

lea dx, msg2

mov ah, 09h

int 21h

lea dx, msg3

mov ah, 09h

int 21h

lea dx, msg4

mov ah, 09h

int 21h

lea dx, msg5

mov ah, 09h

int 21h

lea dx, msg1

mov ah, 09h

int 21h

mov ah, 08h

int 21h

cmp al, 31h

jnz next

mov ax, num1

add ax, num2

mov result1, ax

jmp exit

next:cmp al,32h

jnz next1

mov ax, num1

sub ax, num2

mov result1, ax

jmp exit

next1: cmp al,33h

jnz next2

mov bx, num2

mov ax, num1

mul bx

mov result1, ax

mov result2, dx

jmp exit

next2: cmp al,34h

mov ax, num1

mov bx,num2

div bx

mov result1,ax

mov result2,bx

jmp exit

exit:int 3h

mov ah,4ch

int 21h

end start