## 1. DISPLAY MESSAGE

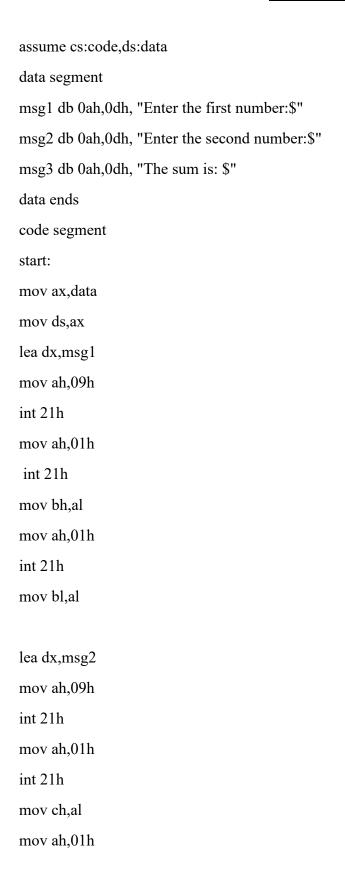
```
data segment
msg1 db 0ah,0dh,"HAII"
data ends

code segment
assume cs:code,ds:data
start:
mov ax,data
mov ds,ax
lea dx,msg1
mov ah,09h
int 21h
mov ah,4ch
int 21h
code ends
end start
```

## 2. 8BIT ADDITION

```
data segment
      msg1 db 0ah,0dh,"ENTER FIRST NO:$"
      msg2 db 0ah,0dh,"ENTER SECOND NO:$"
      msg3 db 0ah,0dh,"THE SUM IS:$"
data ends
code segment
assume cs:code,ds:data
start:
      mov ax,data
      mov ds,ax
      lea dx,msg1
      mov ah,09h
      int 21h
      mov ah,01h
      int 21h
      mov bl,al
      lea dx,msg2
      mov ah,09h
      int 21h
      mov ah,01h
      int 21h
      lea dx,msg3
      mov ah,09h
      int 21h
      mov dl,al
      add dl,bl
      sub d1,48
      mov ah,02h
      int 21h
      mov ah,4ch
      int 21h
code ends
end start
```

## 3. <u>16BIT ADDITION</u>



int 21h mov cl,al mov al,bl mov ah,00h add al,cl aaa add ax,3030h mov bl,al mov al,ah mov ah,00h add al,bh add al,ch aaa add ax,3030h mov bh,al mov cl,ah lea dx,msg3 mov ah,09h int 21h mov dl,cl mov ah,02h int 21h mov dl,bh mov ah,02h int 21h mov dl,bl mov ah,02h int 21h mov ah,4ch

int 21h

code ends

end start