

Name: Shoaib Akhtar
Roll No : 20P-0147
Report : 3

Summary :

Assembly instructions are made of operation code (OP) and operand. OP code identifies the action to be taken and the operand consists of data. In this lab we will be using the add instruction.

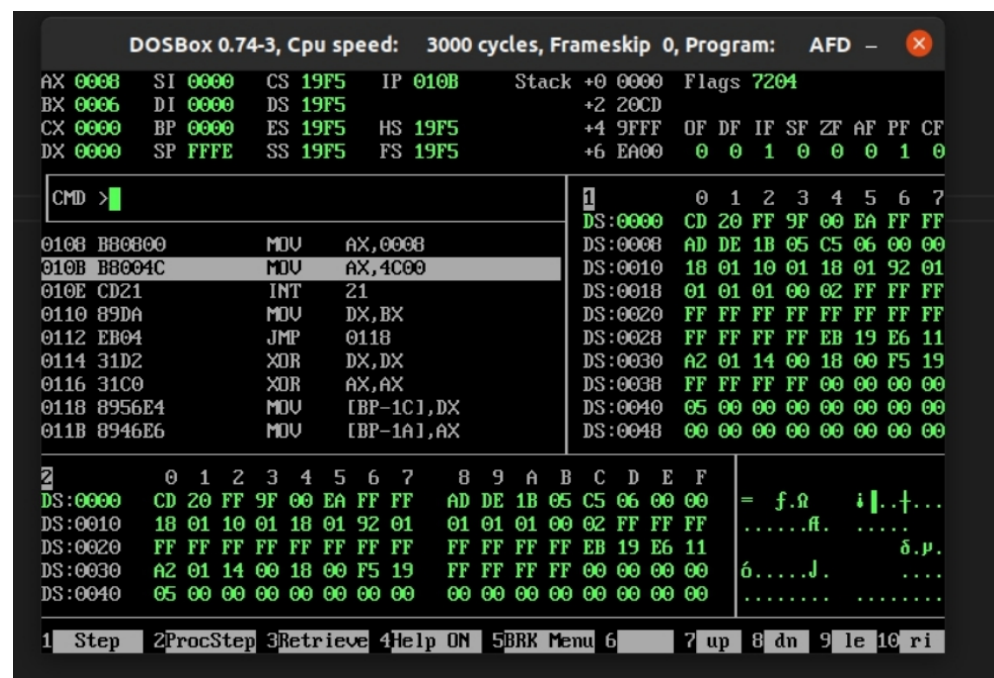
Code :

```
[org 0x0100]

mov ax, 5
mov bx, 4
add bx, ax

mov ax, 0x4c00
int 0x21
```

Output



Swapping two numbers code:

```
[org 0x0100]
```

```
mov ax,10  
mov bx,20  
mov cx,ax  
mov ax,bx  
mov bx,cx
```

```
mov ax,0x4c00  
int 0x21
```

