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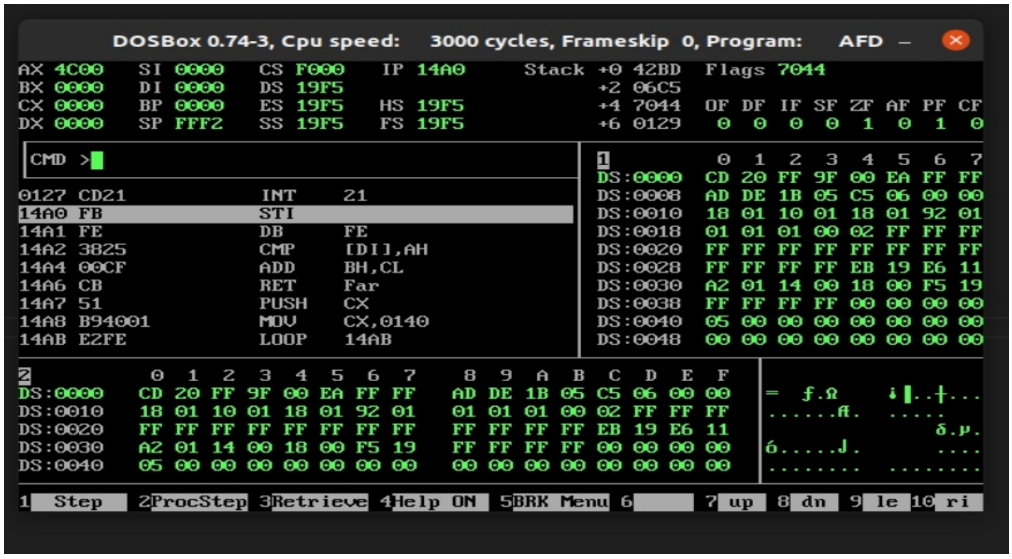
Report : 7

Extended Operation :

I have done multiplication of two numbers using shr operators which is also known as extended operation.

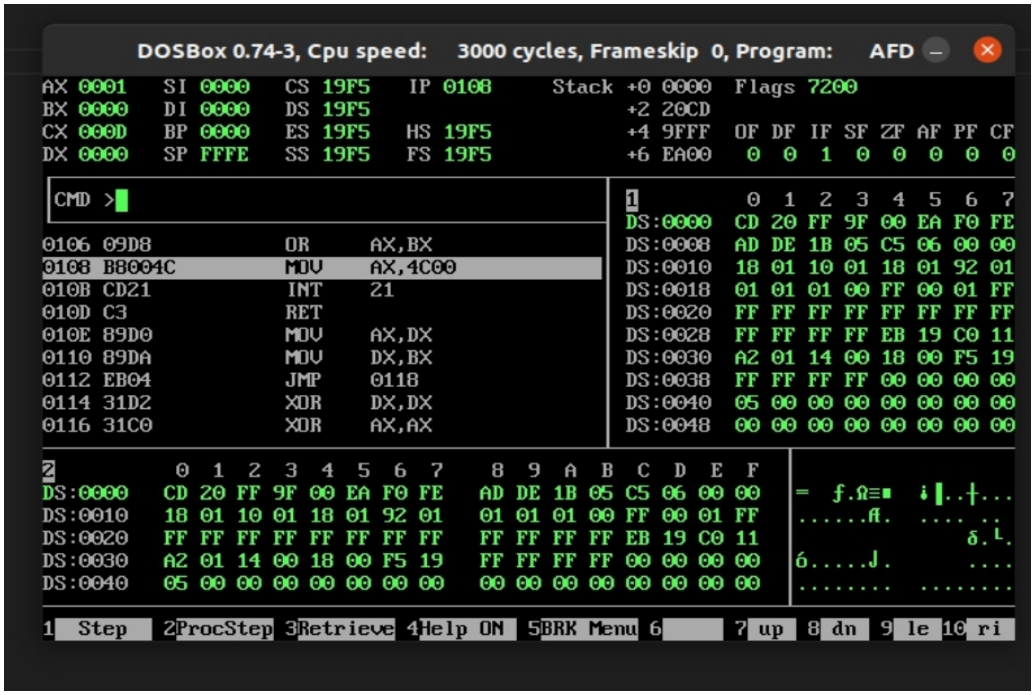
```
[org 0x0100]

mov cl , 10
mov fx , [multiplier]

checkbit:
      shr dx,1
      jnc skip

mov ax , [multplicand]
add [result],ax
mov ax , [multplicand+2]
add [result + 2],ax

skip:
      shl word [multplicand+2]
      rcl word [multplicand+2],1
      dec cl
      jnz checkbit

mov ax, 0x4c00
int 0x21


multplicand: dd 1000
multiplier: dw 500
result: dd 0
```



Bitwise operations:

Operation which we can do on bits are called bitwise operations

```
[org 0x0100]

mov ax , 1
mov bx , 0

or ax,bx

mov ax , 0x4c00
int 0x21
```



Masking :

```
[org 0x0100]

mov ax , 6
mov bx , 5

and ax,bx

mov ax , 0x4c00
int 0x21
```