LAB REPORT - 02



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Subject:

Computer Organization and Assembly Language
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Teacher:

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Lab Task # 02

Problem 1: take two number from user and multiply them.

Code:

```
.model small
.stack 100h
.data
.code
main proc
    mov ah, 1
    int 21h
    sub al, 30h
    mov bl,al
    mov ah,1
    int 21h
    sub al, 30h
    mul bl
    mov dx, ax
    ;mov al,bl
    mov ah, 2
    add dx,30h
    ; add d1,48
    int 21h
    main endp
end main
```

<u>Output</u>

4*2=8

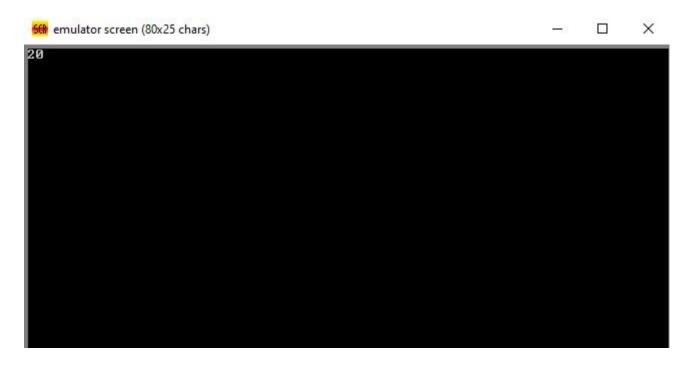


Problem 2: take two number from user and divide them. **Code**:

```
.model small
.stack 100h
.data
.code
main proc
    mov ax,100h
    mov bl,8h
    div bl
    mov bh,10h
    div bh
    mov bh,ah
    mov ah,2
    mov dl,al
    add dl,30h
    int 21h
```

mov ah,2
mov dl,bh
add dl,30h
int 21h
main endp
end main

Output 6/3=2 0



Problem 3: take a number from user and return cube. **Code**:

.model small

```
.stack 100h
.data
    a db?
.code
main proc
    mov ah, 1
    int 21h
    mov a,al
    sub a,30h
    mov al,1
    mul a
    mul a
    mul a
    mov dx,ax
    mov ah,2
    add dx,30h
    int 21h
    main endp
end main
```

<u>Output</u>

2^3=8

