

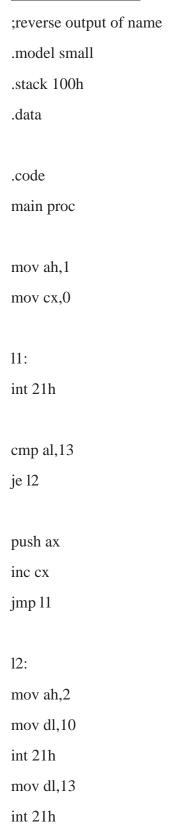
Name: ASMAUL HUSNA JARIN

ID: 20-42363-1

Course: Computer Organization and Architecture

Section: F

## **Assembly Code:**



13:

cmp cx,0

je exit

pop ax

mov ah,2

mov dx,ax

int 21h

dec cx

jmp 13

exit:

main endp

end main

## **Output:**

```
inc cx
jmp 11
                                                               original source code
                                                               30 cmp cx,0
12:
                                                               je exit
mov ah emulator screen (80x25 chars)
                                                          mov dl abcd
                                                                   pop ax
int 211
mov dl
                                                                   mov ah,2
int 21
                                                                   mov dx,ax
int 21h
13:
cmp cx
                                                                   dec cx
je exi
                                                                   jmp 13
pop ax
mov ah clear screen change font 02/16
int 21h
dec cx
```