# WAQAR AHMED

# 20P-0750

# Code:

org 100h

jmp start

msg: db 'Assembly Language Course, FAST University Peshawar Campus'

msglen:

data: db 'I Love Pakistan'

length:

clearscreen:

mov ah ,06h

xor al , al

mov ch , 0

mov cl , 0

mov dh , 24

mov dl , 79

mov bh , 07h

int 10h

ret

setCursor:

; mov dx , 0c23h

mov dh , 13

mov dl , 35

mov bh , 0

mov ah , 02h

int 10h

ret

setCursor1:

; mov dx , 0c23h

mov dh , 1

mov dl , 1

mov bh , 0

mov ah , 02h

int 10h

ret

setCursor2:

; mov dx , 0c23h

mov dh , 24

mov dl , 1

mov bh , 0

mov ah , 02h

int 10h

ret

setBox:

mov ah ,06h

xor al , al

mov ch , 7

mov cl , 30

mov dh , 15

mov dl , 58

mov bh , 20h

int 10h

Box:

mov ah ,06h

xor al , al

mov ch , 7

mov cl , 20

mov dh , 15

mov dl , 30

mov bh , 70h

int 10h

ret

setBorl:

mov ah ,06h

xor al , al

mov ch , 0

mov cl , 0

mov dh , 24

mov dl , 0

mov bh , 50h

int 10h

ret

setBorr:

mov ah ,06h

xor al , al

mov ch , 1

mov cl , 79

mov dh , 24

mov dl , 79

mov bh , 50h

int 10h

ret

setBortop:

mov ah ,06h

xor al , al

mov ch , 0

mov cl , 0

mov dh , 0

mov dl , 79

mov bh , 50h

int 10h

ret

setBorbot

mov ah ,06h

xor al , al

mov ch , 24

mov cl , 0

mov dh , 24

mov dl , 79

mov bh , 50h

int 10h

ret

printstr:

mov cx , length - data

mov al , 1

mov bh , 0

mov dh , 11

mov dl , 34

mov bl , 07h

push cs

pop es

mov bp , data

mov ah , 13h

int 10h

ret

printmsg:

mov cx , msglen - msg

mov al , 1

mov bh , 0

mov dh , 5

mov dl , 13

mov bl , 07h

push cs

pop es

mov bp , msg

mov ah , 13h

int 10h

ret

printchartop:

mov cx , 78

mov bx , 57h

mov ah , 09h

mov al , 40h

int 10h

ret

printcharbot:

mov cx , 78

mov bx , 57h

mov ah , 09h

mov al , 40h

int 10h

ret

start:

call clearscreen

call setCursor

call setBox

call setBorl

call setBorr

call setBortop

call setBorbot

call printstr

call printmsg

call setCursor1

call printchartop

call setCursor2

call printcharbot

mov ax , 0x4c00

int 0x21

