Assignment 2

include 'emu8086.inc'

.model small

.code

start:

print 'Numbers'

printn

mov ah,01h ; taking input in al

int 21h

mov cl,al ; stored in cx for controlling loop

sub cl,'0'

mov ch,0

printn

print 'Enter single digit number'

printn

mov bl,0 ;max number in bx is initialized to zero

input:

printn

mov ah,01h ; taking input in al

int 21h

cmp al,bl

jb skp ;al<lb

mov bl,al ; keeps max number in bl

skp:

loop input

printn

print 'largest digit '

mov dl,bl

mov ah,02h ; output answer from dx

int 21h

printn

end start