;to find the largest of three numbers

section .data

msg db "The largest Number is:",10,13

len equ $-msg

num1 dd 97h

num2 dd 99h

num3 dd 96h

section .bss

largest resb 2

dis\_buffer resb 2

section .text

global \_start

\_start:

mov ecx,[num1]

cmp ecx,[num2]

jg DOWN

mov ecx,[num2]

DOWN: cmp ecx,[num3]

jg NXT

mov ecx,[num3]

NXT: mov [largest],ecx

;print msg

mov ecx,msg

mov edx,len

mov ebx,1

mov eax,4

int 80h

mov bl,[largest]

mov ecx,2

mov edi,dis\_buffer

DUP: rol bl,04

mov al,bl

and al,0fh

cmp al,09h

jbe NEXT

add al,07h

NEXT: add al,30h

mov [edi],al

inc edi

loop DUP

;print number

mov eax,4

mov ebx,1

mov ecx,dis\_buffer

mov edx,2

int 80h

;exit program

mov eax,1

mov ebx,0

int 80h

OUTPUT:

