;PROGRAM TO PRINT HELLO WORLD VERTICALLY DOWNWARD

SYS\_WRITE EQU 4

SYS\_READ EQU 3

SYS\_EXIT EQU 1

STDOUT EQU 1

STDIN EQU 0

section .data

strr db "Hello World"

strlen equ $-strr

nl db "",0Ah

nllen equ $-nl

section .bss

NUM resb 1

section .text

global \_start:

\_start:

mov ecx,strlen

mov eax,strr

up:

mov ebx,eax

mov [NUM],ebx

add eax,1

push eax

push ecx

;display NUM

mov eax,SYS\_WRITE

mov ebx,STDOUT

mov ecx,[NUM]

mov edx,1

int 80h

;display nl

mov eax,SYS\_WRITE

mov ebx,STDOUT

mov ecx,nl

mov edx,nllen

int 80h

pop ecx

pop eax

loop up

exit:

mov eax,SYS\_EXIT

xor ebx,ebx

int 80h

OUTPUT:

