ASSIGNMENT NO 3

TITLE:

Write an X86/64 ALP to find the largest of given Byte/Word/Dword/64-bit numbers.

SOURCE CODE:

```
section .data
        array db 11h, 55h, 33h, 22h,44h
        msg1 db 10,13,"Largest no in an array is:"
        len1 equ $-msg1


section .bss
        cnt resb 1
        result resb 16


section .text
        global _start
        _start:
                mov byte[cnt],5
                mov rsi,array
                mov al,0
        LP: cmp al,[rsi]
                jg skip
```

```asm
        xchg al ,[rsi]
        skip: inc rsi
        dec byte[cnt]
        jnz LP


;display
        mov Rax,1
        mov Rdi,1
        mov Rsi,msg1
        mov Rdx,len1
        syscall


;display al

call display

;exit system call
        mov Rax ,60
        mov Rdi,0
        syscall


%macro dispmsg 2
```