

SUBJECT: MICROPROCESSOR LAB (MPL)	
NAME:	
CLASS: SE COMP	ROLL NO.:
SEMESTER: SEM-II	YEAR: 2023-24
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED: Prof. G. B. Aochar	

Assignment No-03

Title:- Find the largest of given numbers.

Assignment Name:- An X86/64 ALP to find the largest of given Byte/Word/Dword/64-bit numbers.

Objective:-

- To understand the assembly language program
- To understand 64 bit interrupt.

Outcome:-

- Students will be able to write code for how to find the largest of given
- Students will be able to understand different assembly language instruction.

Prerequisite-

System call of Unix for Assembly language Program.

Hardware Requirement-

Desktop PC

Software Requirement-

Ubuntu 14.04,

Assembler: NASM version 2.10.07

Linker

Introduction:-

Theory:

Algorithm:

1. Start
2. Initialize section .data
3. Define variable for array, large
4. Using cmp instruction find larger number from array.
5. Display largest number
6. Terminate program using system call
6. Stop

Conclusion: - Hence we implemented an ALP find the largest of given array.

Questions:-

1. Explain macro used with Example?
2. Explain CMP instruction?
3. Draw and explain TSS segment of 80386?