

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-04

Title:- Arithmetic Operations.

Assignment Name:- Write an ALP using switch case to perform arithmetic operations.

Objective-

- To understand the assembly language program
- To understand macro, procedure concept.

Outcome-

- Students will be able to write code for how to write procedures
- Students will be able to understand writing switch case program.

Prerequisite-

System call of Unix for Assembly language Program.

HardwareRequirement-

Desktop PC

SoftwareRequirement-

Ubuntu14.04,

Assembler: NASM version

2.10.07Linker:ld

Introduction:-

Theory:

Algorithm:

1. Start
2. Initialize section. data with all required messages to perform arithmetic cooperation using switch cases.
3. Define variable for number1, number2, choice, etc.
4. Accept choice from user.
5. Write different procedure to perform Addition, Subtraction, Multiplication, and Division.
6. Terminate program using system call
6. Stop

Conclusion:- Hence we implemented an ALP to do arithmetic operations using switch case.

Questions:-

1. Explain macro with example?
2. Explain procedure with example?
3. Write difference between procedure and macro?