**Lab Assignment- 6**

**Practice Lab**

**Week 10: 13Oct-20 oct 2022**

**Lab 6 (MIPS Simulator-Mars)**

1. Write an assembly program for addition and subtraction of two 8-bit & 16 bit numbers using 8086 microprocessor.  
2. Write an assembly program for Multiplication & Division of two 8-bit numbers.  
3. Write an assembly program for Largest & Smallest among N numbers  
4. Write an assembly program for Factorial of N number.  
5. Sort the numbers stored from location 2000H in ascending order.  
6. Sort the numbers stored from location 2000H in descending order.  
7. You have 10 numbers stored from location 2000H. Store the odd numbers at location 3000H and even at 4000H.