Jadavpur University
Session 2024-25, Odd Semester
Assembly and Machine Language Lab
Assignment 1

1. Write an Assembly Language Program to add two 8-bit integer numbers. The numbers can be stored in the data segment.

2. Write an 8086 Assembly Language Program to subtract two 8-bit signed integers. The numbers can be stored in the data segment.

3. Write an Assembly Language Program to check whether an input number is even or odd.

4. Write an Assembly Language Program to check whether an input number is Armstrong or not.

5. Write an Assembly Language Program to check whether an input number is Prime or not.

6. Write an Assembly Language Program to accept a string and print it.

7. Write an Assembly Language Program to find the length of a given string.

8. Write an Assembly Language Program to reverse a string using stack and display the result.

9. Write an 8086 Assembly Language Program which will ask for a number and the no. will be taken from keyboard. Print the number in decimal, binary and hexadecimal format.