Computer Organization and Design Practice
Assignment 3
Due Date: 29th March 2022

General instructions:

1. Write the Assembly Language Program (ALP) for the following questions. Compile and execute those programs and display the outputs.

2. Attach the screen shots of your programs with compilation, execution and outputs details.

3. Submit all the answers as a single PDF file named with your roll number.

Q1) By taking one example program (i.e., any program done in labs so far), write the ALPs for the following addressing modes

      1. Direct Addressing Mode.

      2. Indirect Addressing Mode.

      3. Immediate Addressing Mode.

      4. Direct-Offset Addressing Mode.

      5. Relative Addressing Mode.

      6. Indexed Addressing Mode.

      7. Register Addressing Mode.

      8. Register Indirect Addressing Mode.

      9. Auto-Increment Addressing Mode.

      10. Auto-Decrement Addressing Mode.