

Lab Assignment- 4

Practice Lab

Week 6: 7th -20th Sept, 2022

Lab4 (8085 Simulator)

1. **[CO2]** Write an assembly program for addition and subtraction of two 8-bit & 16-bit numbers using 8085 microprocessor.
2. **[CO2]** Write an assembly program for Multiplication & Division of two 8-bit numbers.
3. **[CO2]** Write assembly code for multiplying 2 numbers by the repeated addition method. i.e. $2 * 3 = 2 + 2 + 2$. Note: you can NOT use the shift method or any other algorithm in this program.
4. **[CO2]** Write an assembly program for adding elements present in 2 arrays and storing the corresponding sum in another array.
5. **[CO2]** Write an assembly program to copy element of one array to another array.