# 8086 microprocessor

1. Factorial of a given number

2. LCM of two numbers

3. Binary to BCD conversion

4. largest/Smallest element in an array

5. Sorting array in ascending/descending order

6. String Palindrome

7. even/odd/prime numbers in an array

# Multi-Sim Experiments

1. Verification of logic gates

2. Circuit design for a given expression

3. Half adder & subtractor

4. Full adder & subtractor

5. Multiplexer

6. De-multiplexer

7. Encoder

8. Decoder

9. Registers and counters

10. Ripple carry adder

11. Carry look ahead adder

12. ALU