

**Data Structures (Lab)**  
**Assignment-1 (Fundamentals)**

1. WAP to implement Magic Square.
2. WAP to implement Call by Value and Call by Reference mechanisms.
3. WAP to implement three different ways to swap two variables without using a third variable.
4. WAP to implement the following programs using recursion.
  - a. Factorial
  - b. Fibonacci Series
  - c. Greatest Common Divisor
  - d. Linear Search
  - e. Binary Search
  - f. Tower of Hanoi