**Assignment I**

***Write short notes on***

• Array

+ Write what do you know about an array

+ Write two different programs on one dimensional array

+ Write a program on m\*n matrix multiplication

• Structure

+ Write what do you know about structure and elaborate some of its advantages

+ Write two different programs on structure

• Union

+ List some of the difference between structure and unions

+ How can unions be useful?

• Pointer

+ Define a structure of employee having data members name, address, age and salary. Take data for n employee in an array dynamically and find the average salary.

+ Write a program to read number of employees, n, working in a company. Reserve the memory required to store age of n employees using malloc() function. Read age of n employees from user and count the number of employees of age above 80 years.