

## **Assignments for Day-2**

1. WAP to overload for addition of integers, floats, doubles.
2. Design overloaded functions to print the followings
  - a. An array of integers
  - b. An array of strings
  - c. An array of Students
3. Number class having num as its data member, and member functions as getNum, setNum, factorial, isPrime, sumOfDigit, reverseNum.
4. ComplexNum class with data members as real, img and member functions are, displayNumber, setNumber, addNumber, subNumber, mulNumber, divNumber.
5. Point having i. xCo, ii. yCo as its data members. Member functions are: i.getValues ii. displayPoint, iii. distanceBetweenPoints.
6. Time with data members as i. hour, ii. minute, iii. second and member functions are i. readTime: to read the values from key board with proper error checking. ii. displayTime: to display time in HH:MM:SS AM/PM format. iii. timeAddition: addition of two times.
7. Employee with data members as i. empID (int), ii. name (char \*), iii. count ( int) and member functions are i.. getID, ii. getName iii. displayEmployee, iv. countEmployee. Create some objects using both SMA and DMA.