LAB SHEET 5 (CLASSES)

1. Define a class 'student' with data members stno, stname and age. Also include following: Default Constructor and parameterized constructor display method to show all details.

```
namespace studentdetails
    internal class student
        int studno;
        string studname;
        int age;
        public student()
            studno=2020120;
            studname = "Santhosh";
            age = 29;
        internal student(int stno, string stname, int stage)
            studno = stno;
            studname = stname;
            age = stage;
        public void display()
            Console.Write(" your roll number is " + studno);
            Console.WriteLine(" , your name is " + studname + " , age is "+age);
    class Sttest
        static void Main()
            student obj1 = new student();
            obj1.display();
            Console.WriteLine("Enter your roll number");
            int rollno= Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("enter your name");
            string name = Console.ReadLine();
            Console.WriteLine("enter your age");
            int age1= Convert.ToInt32(Console.ReadLine());
            student obj2 = new student(rollno, name, age1);
            obj2.display();
        }
    }
}
```

```
your roll number is 2020120 , your name is Santhosh , age is 29
Enter your roll number
2020121
enter your name
Kkumar
enter your age
31
your roll number is 2020121 , your name is Kumar , age is 31
C:\Users\santh\source\repos\ConsoleApp15\ConsoleApp15\bin\Debug\net6.0\ConsoleApp15.exe (process 3908) exited with code
0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Assessment 5a:

Telecom company is storing consumer details. Design a class to represent a consumer account. Include the following data members: Name of the consumer, Consumer's Mobile Number, Call usage in minutes. Calculate the bill amount to be paid. Bill amount = minutes * Rs. 2.

Write a C# program to demonstrate the method to calculate & display the consumer number along with the total amount to be paid.

2. Design a class to represent a bank account. Include the following members: Data Member: Balance amount in the account and methods: To assign initial values, To deposit an amount, To withdraw an amount after checking balance, To display the balance. Write a C# program to demonstrate the working of the various class members.

```
namespace BankDemo
    class Bank_Account
        static int balance;
        int amt;
        internal Bank_Account()
            balance = 500;
        }
        public void deposit()
            Console.WriteLine("Enter the amount ");
            amt = Convert.ToInt32(Console.ReadLine());
            balance += amt;
            Console.WriteLine("New Balance is " + balance);
        public void withdraw()
            Console.WriteLine("Your Balance is " + balance);
            Console.WriteLine("Enter amount to be withdrawn");
            int w_amt = Convert.ToInt32(Console.ReadLine());
            balance -= w_amt;
            Console.WriteLine("New Balance is" + balance);
        }
        internal void details()
            Console.WriteLine(" Balance is " + balance);
    }
class bankchecking
        public static void Main()
            Bank_Account obj = new Bank_Account();
            int ch;
            do
            {
                Console.WriteLine("Press 1 to check Balance ");
                Console.WriteLine("Press 2 to withdraw money ");
                Console.WriteLine("Press 3 to deposit ");
                ch = Convert.ToInt32(Console.ReadLine());
                switch (ch)
                    case 1:
                        obj.details();
                        break;
                    case 2:
                        obj.withdraw();
                        break;
```

Assessment 5b:

Design a class to represent a employee's details. Include the following Data Members: Name of the employee, Employee Id, Salary, Leave balance and methods: To assign initial values, to increment the salary, to display name and the leave balance.

Write a C# program to demonstrate the working of the various class members.