**Experiment 14**

**Aim:** Write a programme to implement the concept of function overloading by adding two or more user defined data types.

**Programme code:**

#include<iostream>

**using** **namespace** std;

**class** NUM

{

**private**:

**int** n;

**public**:

        //function to get number

**void** getNum(**int** x)

        {

            n=x;

        }

        //function to display number

**void** dispNum(**void**)

        {

            cout << "Number is: " << n;

        }

        //add two objects - Binary Plus(+) Operator Overloading

        NUM operator +(NUM &obj)

        {

            NUM x;  //create another object

            x.n=**this**->n + obj.n;

**return** (x); //return object

        }

};

**int** main()

{

    NUM num1,num2,sum;

    num1.getNum(10);

    num2.getNum(20);

    //add two objects

    sum=num1+num2;

    sum.dispNum();

    cout << endl;

**return** 0;

}