**Exercise-4**

Assignment on operating overloading

1. Create a class as shown below

class StringDemo

{

char \*str;

public:

StringDemo() : new char[6]

{ strcpy(str , “Hello”); }

.

.

.

~StringDemo()

{ delete [] str; }

};

void main()

{

StringDemo s1;

StringDemo s2("World");

StringDemo s3(s2);

StringDemo s4;

s4 = s1 + s3;

s4.disp();

s4 += "Program"; //s4.operator+=(“Program”)

s4.disp();

cout << "s1="<<s1<<endl ;

cout << "s2="<<s2<<endl ;

cout << "s4="<<s4 <<endl;

if(s1 == s2)

cout<<"strings are same "<<endl;

else

cout<<"strings are different "<<endl;

StringDemo s5("Oriented");

char ch[50];

strcpy(ch,"Object");

s5 = ch + s5;

cout<<s5<<endl;

cout<< s5[5]<<endl;//s5.operator[](int index)

cout<<s5(2,5)<<endl;//s5.operator()(int sindex , int eindex)

}

Complete the definition of the class to satisfy the statements within main().