**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY & RESEARCH**

Department of Computer Engineering/Computer Science & Engineering/ Information Technology

**Subject Name: Object Oriented Programming with C++**

**Semester: II**

**Subject Code: CE144**

**Academic year: 2020-21**

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| **No.** | **Aim of the Practical** |
| **26.** | **Create a class String having character array. Class includes constructor and**  **required member functions to get and display the object. Overload the operators +(s3=s1+s2), ==(s1<s2), +=(s1+=s2) for the class.**  **Use the concept of Overloading Binary Operators**  **PROGRAM CODE :**  #include <iostream>  using namespace std;  class String  {  public:  char a[50];  int len;  void getdata()  {  cout << "Enter the length of string: " << endl;  cin >> len;  cout << "Enter the string: " << endl;  for (int i = 0; i < len; i++)  {  cin >> a[i];  }  }  void putdata()  {  cout << "The length of string is: " << len << endl;  cout << "Entered string is: " << endl;  for (int i = 0; i < len; i++)  {  cout << a[i];  }  cout << endl;  }  String operator+(String s1)  {  String temp;  int i, j, length = 0;  for (i = 0; i < len; i++)  {  temp.a[i] = a[i];  length++;  }  j = i;  for (i = 0; i < s1.len; i++)  {  temp.a[j] = s1.a[i];  j++;  length++;  }  temp.len = length;  return temp;  }  };  int main()  {  String s1;  s1.getdata();  s1.putdata();  String s2;  s2.getdata();  s2.putdata();  String s3;  s3 = s1 + s2;  s3.putdata();  return 0;  }  **OUTPUT:**    **CONCLUSION:** In this practical we learnt how to use overloading binary operators. |