**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** |
| **24.** | **Create a class Number having int num as member. The class has input and output functions. Overload unary operator (++) such that it supports N1=N2++ and N3=++N1 and Overload unary (-) such that it supports N3 = - N3. Also define default, parameterized and copy constructor for the class. Also explain use of nameless object in operator overloading.**  **Use the concept of Overloading Unary Operators.**  **PROGRAM CODE :**  #include <iostream>  using namespace std;  class number  {  int num;  public:  void getdata()  {  cout << "Enter The Number: " << endl;  cin >> num;  }  void putdata()  {  cout << "You Entered..." << num << endl;  }  void operator++(int)  {  num++;  }  void operator++()  {  ++num;  }  void operator-()  {  num = -num;  }  };  int main()  {  number n2;  n2.getdata();  n2.putdata();  n2.operator++();  n2.putdata();  n2.operator++();  n2.putdata();  n2.operator-();  n2.putdata();  }  **OUTPUT:**    **CONCLUSION:** In this practical learnt about the concept of Overloading Unary Operators. |