**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** |
| **28.** | **Create a class Celsius with float. Define appropriate member functions such that it support the statements: C1=30.5F; float temperature;**  **temperature=C2;**  **Use the concept of Type conversion from basic type to class type and class type to basic type.**  **PROGRAM CODE :**  #include <iostream>  using namespace std;  class celsius  {  float t;  public:  void get()  {  cout << "\nEnter The Temperature in Celsius:";  cin >> t;  }  void put(int x)  {  cout << "\nTemperature " << x << ":" << t;  }  float operator=(float a)  {  t = a;  return t;  }  operator float()  {  return t;  };  };  int main()  {  celsius c1, c2;  float temperature;  c1.get();  c2.get();  c1.put(1);  c2.put(2);  temperature = c2;  c1 = 30.5F;  cout << "\nAfter Changing Temperature...";  c1.put(1);  cout << "\nTemperature 2:" << temperature;  }  **OUTPUT:**    **CONCLUSION:** In this practical we learnt how to use type conversion from basic type to class type and class type to basic type. |