**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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| **19.** | **Create a Class Date having data members: int dd, mm, yyyy. Class has one member function to input the dates and another member function which prints the dates. Write a main() function which takes two dates as input. Write a friend function swapdates() which takes two objects by reference of type Date and swaps both the dates. Use the concept of Friend function which takes objects by reference.**  **PROGRAM CODE :**  #include <iostream>  using namespace std;  class date  {  private:  int date\_, month, year;  public:  void getdata()  {  cout << "Enter dd-mm--yyyy: " << endl;  cin >> date\_ >> month >> year;  }  void putdata()  {  cout << "You Entered: " << endl;  cout << date\_ << "/" << month << "/" << year;  }  friend void swap(date &d1, date &d2)  {  date temp;  temp=d1;  d1=d2;  d2=temp;  cout<<"After swapping..."<<endl;  cout<<"d1.date\_"<<"/"<<d1.month<<"/"<<d1.year<<endl<<d2.date\_<<"/"<<d2.month<<"/"<<d2.year;  }  };  int main()  {  date d1,d2;  d1.getdata();  d2.getdata();  d1.putdata();  d2.putdata();  swap(d1,d2);  }  **OUTPUT:**    **CONCLUSION:** In this practical we learnt how to use the concept of friend function which takes objects as reference in c++ . |