

# Lab#8 Activity:-

1. Define a class named PrimeNumber that stores a prime number. Add a function to get the prime number. Finally, overload the prefix ++ and -- operators so they return a PrimeNumber object that is the next largest prime number (for ++) and the next smallest prime number (for --). For example, if the object's prime number is set to 13, then invoking ++ should return a PrimeNumber object whose prime number is set to 17. Create an appropriate test program for the class.
2. Write a class Time which represents time. The class should have three fields for hours, minutes and seconds. It should have constructor to initialize the hours, minutes and seconds. A function print Time() to print the current time. Overload the following operators:
  - a. Plus operator (+) to add two time objects based on 24-hour clock.
  - b. Operator< to compare two time objects
3. Complete the following tasks:
  - a. Design a PhoneCall class that holds a phone number to which a call is placed, the length of the call in minutes, and the rate charged per minute.
  - b. Overload the == operator to compare two PhoneCalls. Consider one PhoneCall to be equal to another if both calls are placed to the same number.
  - c. Create a main() function that allows you to enter 10 PhoneCalls into an array. If a PhoneCall has already been placed to a number, do not allow a second PhoneCall to the same number. Save the file as PhoneCall.cpp.