**1. Define a class EMPLOYEE contains following members.   
 Data members: Employee\_Number, Employee\_Name, Basic, DA, IT, Net\_Sal, Gross\_salary.  
Member functions: To read the data, calculate net salary, gross salary and display both salary.  
Write a C++ program to read the data of N employees and compute Net salary and Gross salary of each employee. (DA= 12% of Basic and Income Tax (IT) = 18% of the gross salary).  
  
 2. Create a flight class that has private data members: flight number (integer), destination(characters), distance (float), fuel (float).  
  
a) Initialize fuel to 13.2 liters  
b) Provide a parameterized function that accepts fuel details  
c) Private Member functions: calculate\_fuel() to calculate the value of Fuel as per the following criteria:  
 Distance (in kilometers) Fuel (in liters)  
 <=1000 500  
 >1000 and <=2000 1100  
 >2000 2200  
  
d) Member functions: information\_entry() to allow user to enter values for  
flight number, destination, distance which calls function calculate\_fuel() to  
calculate the quantity of fuel and display\_info() to allow user to view flight details.  
  
   
  
Additional questions:-  
  
1). Check if a given number is prime or not  
2). Factorial of given 10 numbers (do not use arrays)  
3). Print all odd numbers between m and n  
4). Menu driven program to sum all elements entered upto -1  
5). Print triangle in the following form using loops until n.  
  
 Ex. If n=6   
 1  
 2 3  
 4 5 6**