OOPS Assignment

1. Write a class “employee” to store following information Name, employee ID, Age, Marital Status, and Salary. WAP to store information for 3 employees and display the results.
2. Implement a class “number” having data members value This class has a member function FindDigit() to count the occurrences of each digit in number object. Ex-If value = 1123, O/P = 1-Two times, 2 – One times and 3- One times
3. WAP that a class student stores roll no, class test stores marks the 2 subjects and result contains total marks obtained in the test class result inherit details marks from test and roll no through multilevel inheritance.
4. 5. Create a base class called shape .Use this class to store two double type values that could be used to compute the area of figures. Derive two specific classes’ triangle & rectangle from the base class shape. Add to the base class a member function get\_data () to initialize base class data members and another member function display\_area () to compute and display the area of the figure. Make display\_area () as a virtual function & redefine this function in the derived class to suit their requirements.
5. A bank maintains two types of accounts  
   Saving: includes  
   Compound interest  
   Withdrawal  
   Current  
   Minimum balance required  
     
   Create a class “account” that stores customer name, account number and type of account. From account derive cur\_acc and sav\_acc. Include necessary data members and member function to perform following tasks.  
     
   i. Accept deposit and update balance  
   ii. Display the balance  
   iii. Compute and deposit interest  
   iv. Check for minimum balance