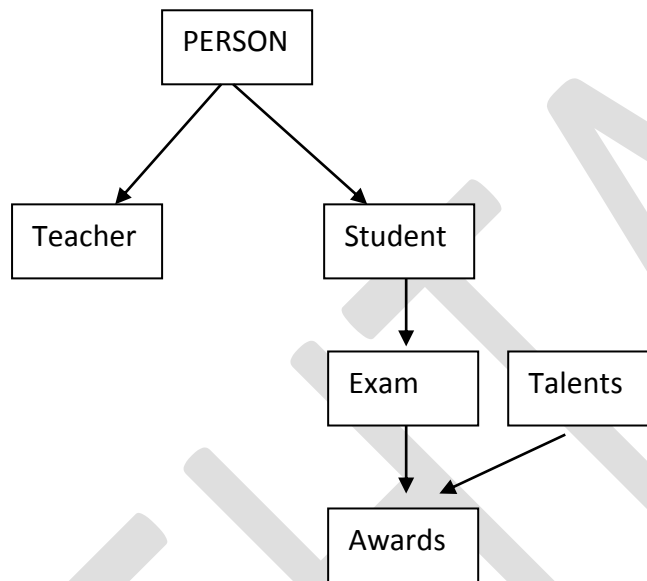
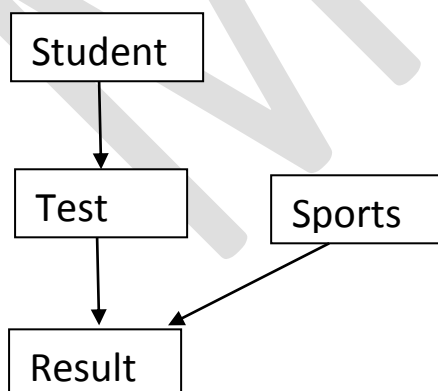


1. Write a C++ program to illustrate single level inheritance.
2. Write a C++ program to illustrate multi level inheritance.
3. Write a C++ program to illustrate multiple inheritance.
4. Write a C++ program to illustrate hybrid inheritance.
5. Write a C++ program to illustrate hierarchical inheritance.
6. Write a C++ program to illustrate hybrid inheritance for following.



7. Write a C++ program by creating a relationship between various classes given in figure and display mark sheet using inheritance.



8. Write a C++ program to display mark sheet using class student and marks (Use single level inheritance)

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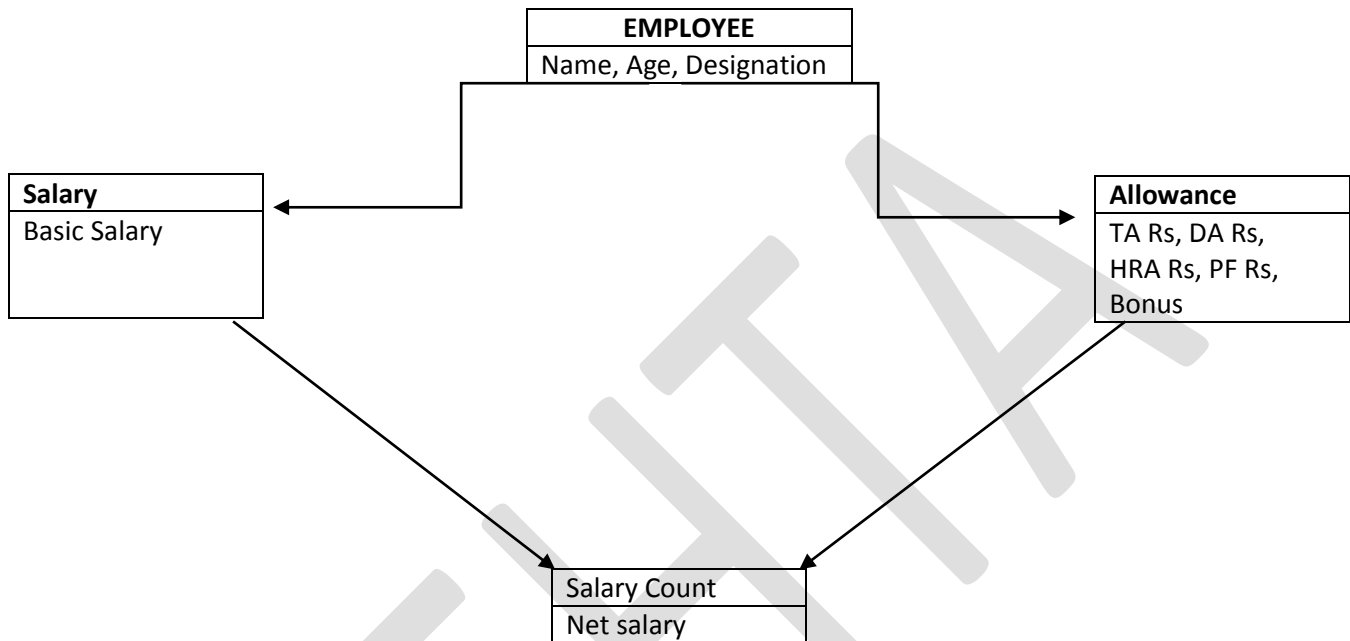
Assignment - 4

Subject :- C++

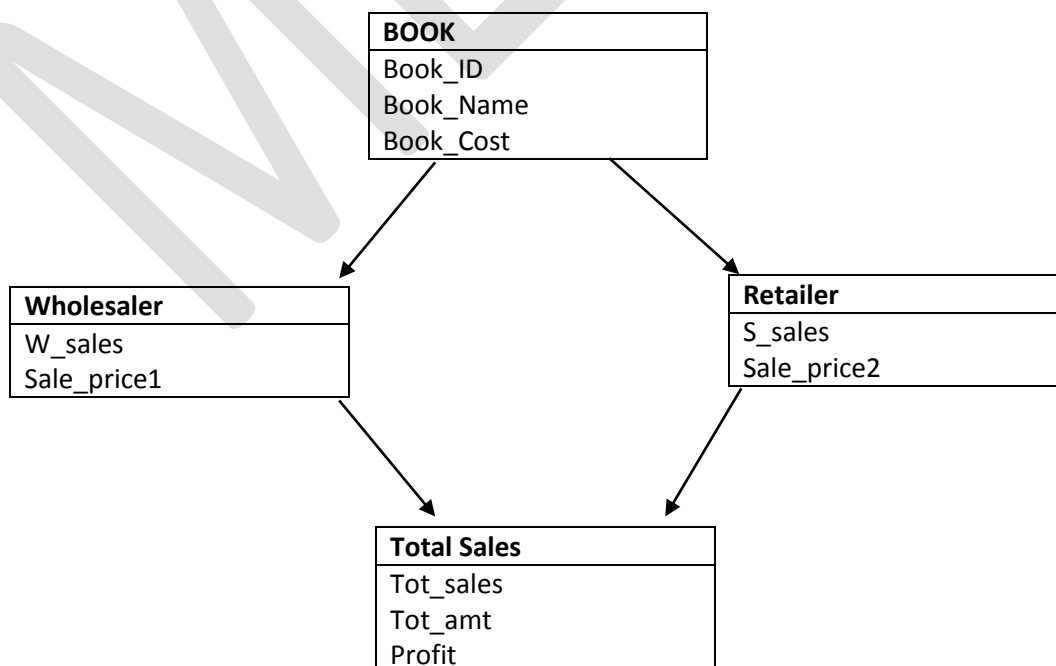
9. Write a C++ program using Virtual base class which display following information of employees.

Name, Age, Designation, Basic Salary, TA Rs, DA Rs, HRA Rs, PF Rs, Bonus, Net Salary.

Note : Bonus will be given to 15% of basic salary.

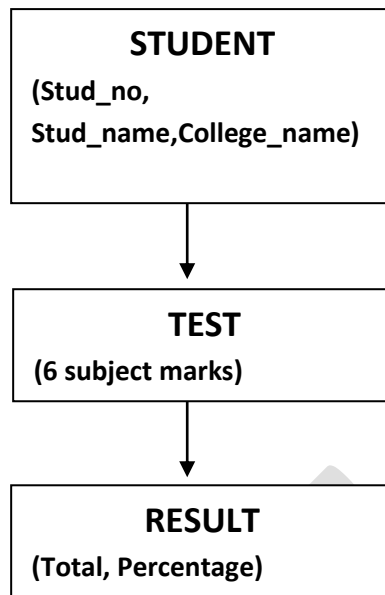


10. Write a C++ program of inheritance using virtual base class which display following information of Book.

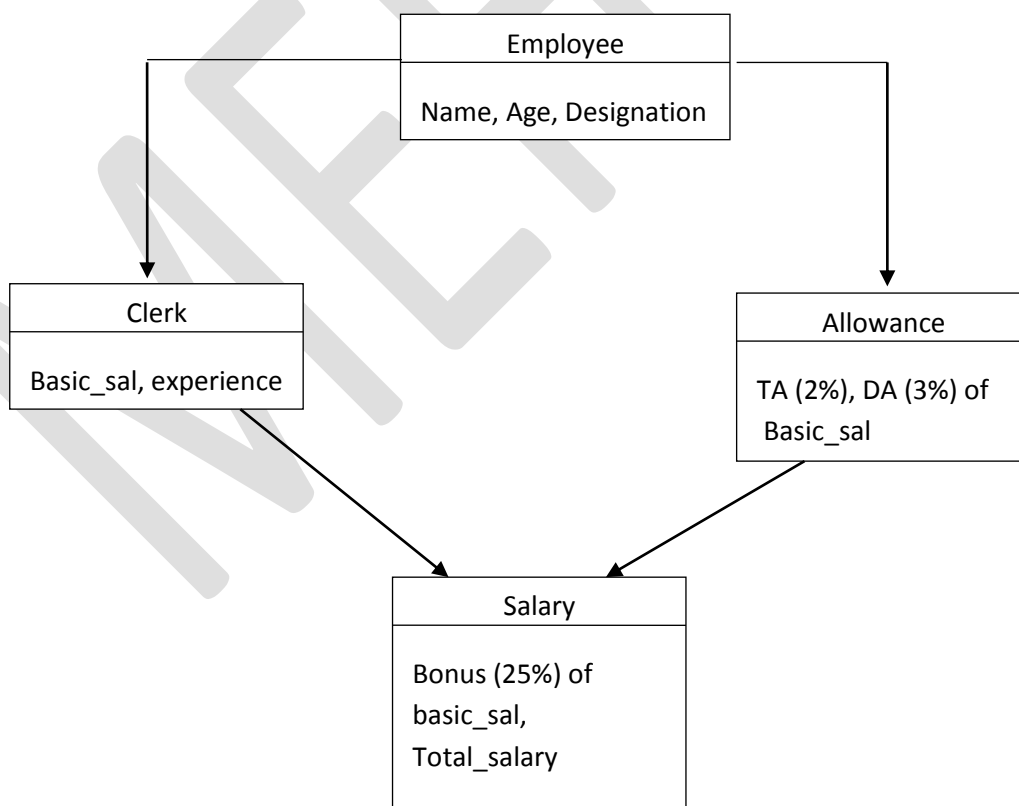


MAHEETA

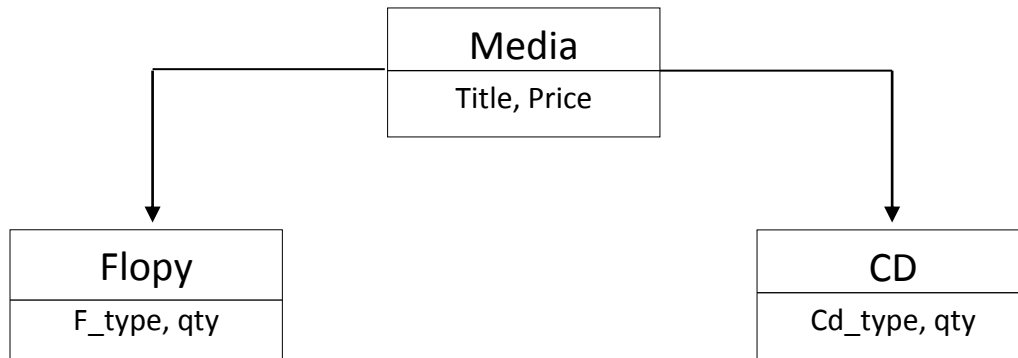
11. Write a C++ program to illustrate multi level inheritance for following



12. Write a C++ program to illustrate inheritance with virtual base class for employee data.



13. Write C++ program of inheritance which use constructor to input value from user and call base class constructor from derived class constructor, use destructor to destroy object, display all information of Flopy and CD also display amount (qty*price) of both Flopy and CD class.



14. Define a class for furniture with color, width and heights as data members. Define another class for shelf, which inherits the data members of the class furniture and has a data member for storing the number of shelves. Get the detail from the user and display it.
15. Define a class publisher that stores the name of the title and another class for sales details, which stores the number of sales for three months. Derive two classes book and tape, which inherit both publisher and sales. Define functions in the appropriate classes to get and print the details.
16. Write a code in C++ that read and display information that contains the following classes.
Class emp(Emp_no, Emp_name, Salary, Dept_code)
Class Dept(Dept_code, name, location)
17. Write a C++ code for inheritance. There is one class named product having two variables like productcode and productname. There is one subclass named stock having methods for update stock whenever product sales or purchase. There are two subclasses of stock class named purchase and sale. Both classes have methods for sale and purchase product. Call appropriate methods in main class and execute it.
- 18.
- 19.
- 20.