Q.1 Write a program to check given number is palindrome or not.

Q.2 Write a program to check given number is Armstrong number or not.

Q.3 Write program to print sum of digits of a given number.

Q.4 Write a C++ program to declare a class-"Book" having data members book_name, author and price. Accept and Display data for one book.

Q.5 Write a C++ program to check given number is prime or not.

Q.6 Write a C++ to define a class "City" having data members name, population. Accept and Display for 5 cities.

Q. 7. Write a C++ to define a class "Employee" having data members emp_id, emp_name and emp_salary. Accept Data for 5 employees and Display employees having salary greater than 5,000/-

Q. 8. Write a program to swap values of two objects using Friend Function.

Q. 9. Write a Program to define a class "Distance" having data member as meters. Display addition of two distance objects using friend function.

Q. 10. Write a program to create class "Number" having data members x and y and perform mathematical operations like addition, subtraction, multiplication and division using inline function.

Q. 11. Write a program to create class "Number" having data members x and y and perform mathematical operations like addition, subtraction, multiplication and division using constructor and destructor functions.
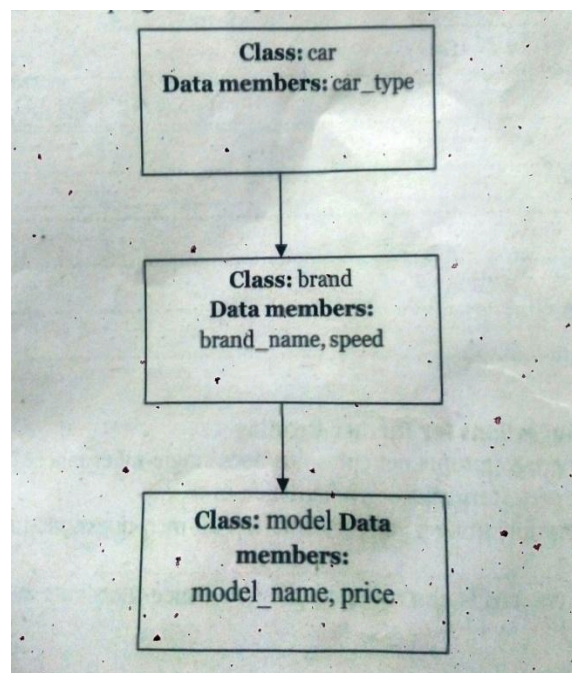
Q. 12. Write a program to define class "Product" having data members prod_id, prod_name, prod_price. Accept and display data for 3 products using constructor overloading.

Q. 13. Write a C++ program to define class "Student" having data members roll_no, name. Derive a class "Marks" from "Student" class having data members m1, m2, m3, total, percentage. Accept and display data for one student.(Single inheritance)
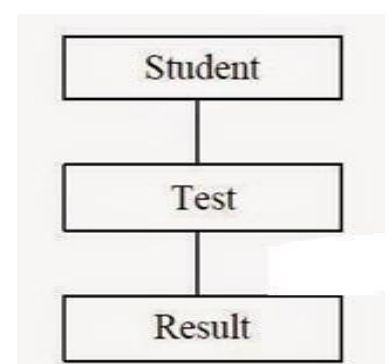
Q. 14. Write a C++ program to define "Employee" having data members emp_no, emp_name and emp_designation. Derive a class "Salary" from "Employee" class having data members basic, HRA, DA, gross_salary. Accept and display data for one employee.

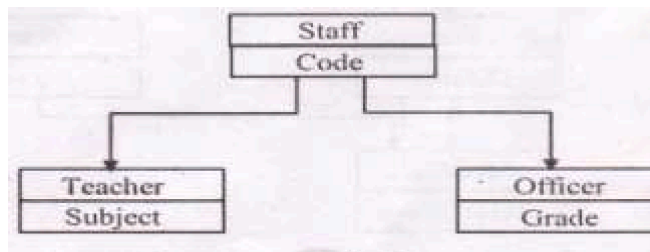   a.   Assume Gross Salary = Basic+HRA+DA

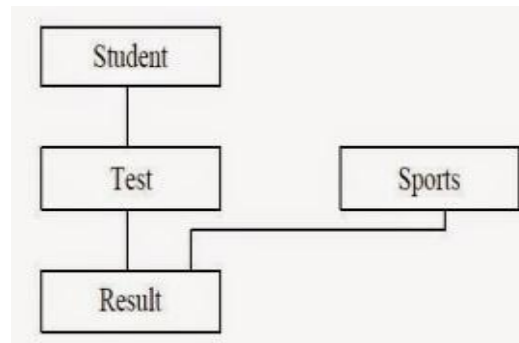Q. 15. Write a C++ program to implement following multilevel inheritance.

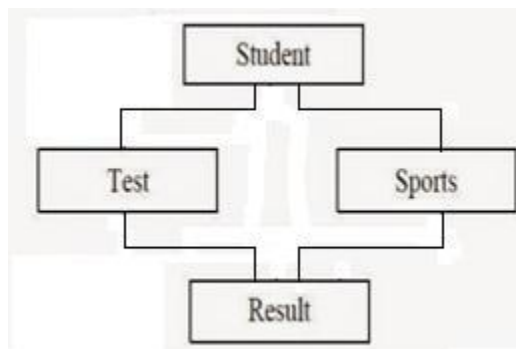Q. 16. Write a C++ program to implement following multilevel inheritance.

Q. 17. Write a C++ program to implement following Hierarchical inheritance

Q. 18. Write a C++ program to implement following Hybrid inheritance

Q. 19. Write a C++ program to implement following inheritance

Q. 20. Write a C++ Program to declare a class-"Book" having data members book_name, author and price. Accept and Display this information for one object of the class using pointer to that object

Q. 21. Write a C++ program to declare class "birthday" having data members day, month & year. Accept this information for 5 objects using pointer to object and display birthdates.

Q. 22. Write a C++ program to overload negation (–) operator to negate values of object.

Q. 23. Write a C++ Program to overload unary operators ++ (increment operator).

Q. 24. Write a C++ Program to create a class "Binary" that contains one float data member. Overload + operator to add two objects.

Q. 25. Write a Program to swap the values of two int, float, char variables using function overloading.

Q. 26. Write a Program to find area of rectangle & circle using function overloading

Q. 27. Write a program to implement the program of Run time Polymorphism (Virtual function).

Q. 28. Write a program to read data from one file and write it into another file (i.e. copy a file)