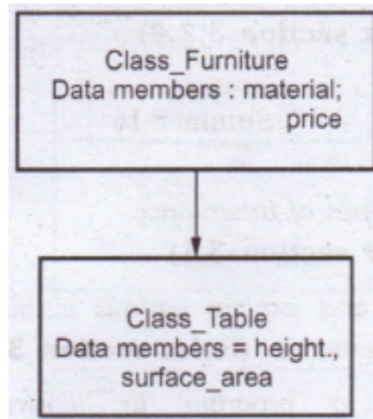


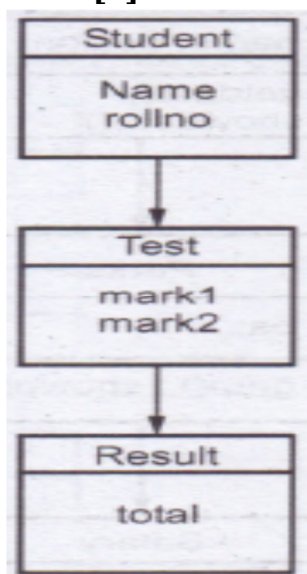
Unit-III

Extending classes using Inheritance

1. Define inheritance and enlist its types. [2]
2. Describe multiple inheritance with suitable example. [4]
3. Write a program to implement single inheritance from following Figure accept and display the data for one table. [4]



4. Explain different visibility modes used in inheritance. [4]
5. Illustrate the hierarchical inheritance. [4]
6. Explain the concept of virtual base class with its general syntax & suitable example. [8]
7. State different visibility modes used in inheritance. [2]
8. What is an abstract base class? [2]
9. Write a program that illustrates multiple inheritance. [4]
10. Explain virtual base class in inheritance with suitable diagram. [4]
11. Explain single inheritance with program. [4]
12. Identify the type of inheritance shown in following Fig.. Implement it by using suitable member function. [8]

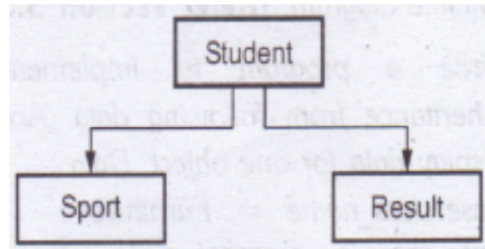


13. State different types of inheritance with diagram. [4]
14. Give the types of inheritance for following diagram: [2]

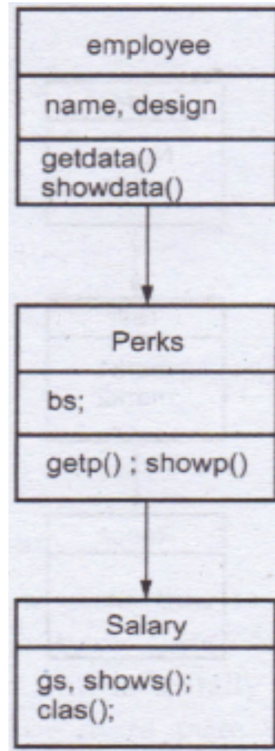
i)



ii)



15. Write a program to show use of multilevel inheritance for following diagram to calculate the gross salary. $gs = bs + 0.5 * bs + 0.6 * bs$; [4]



16. Write a program to show use of Single inheritance. [4]

17. Explain hybrid inheritance with example. [4]

18. Differentiate between multiple inheritance and multilevel inheritance. [4]

19. Explain various types of inheritance with example. [8]

20. State different types of inheritances and describe anyone. [4]

21. How protected access specifier is different from private. [4]

22. What is Virtual Base class? Describe with suitable diagram. [2]

23. Write a program to implement single inheritance from following data.

Accept and display data for one object.

Data : Base class name = Furniture

Data member = material, price

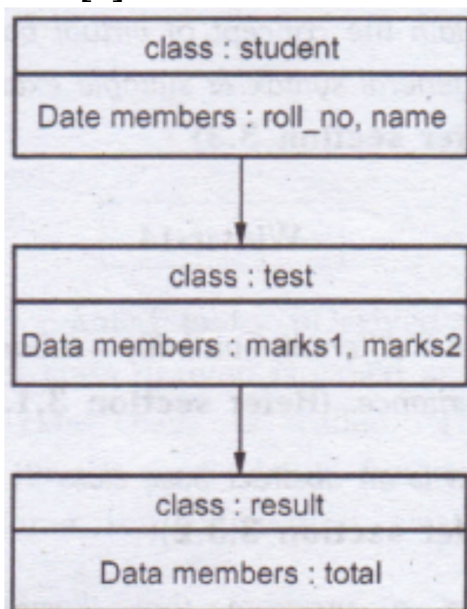
Derived class name = Table

Data-member = height, surface - area. [4]

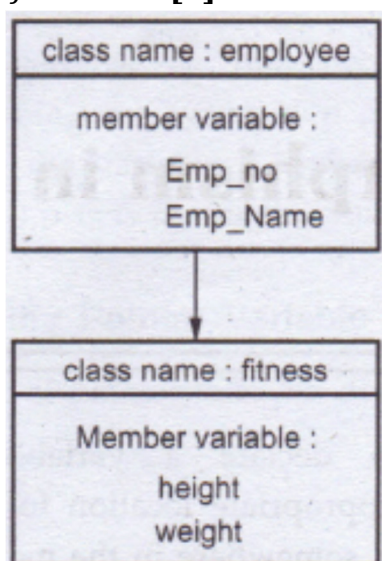
24. How hierarchical inheritance is achieved, explain with example. [4]

25. List types of inheritance. [2]

26. State and explain various visibility modifiers in inheritance. [4]
27. Write a program to illustrate multiple inheritance. Write suitable data members and member functions. [4]
28. What is hybrid inheritance? Give one example. [4]
29. Implement inheritance using following figure with member functions for reading and printing data. [8]



30. What is an abstract base class. [2]
31. What is inheritance? Why inheritance used in C++? [2]
32. State different visibility modes used in inheritance. [2]
33. Explain multiple inheritance with suitable example. [4]
34. What is virtual base class? Explain with suitable example. [4]
35. Write a program to implement inheritance as shown in Figure given below assume suitable member functions. [4]

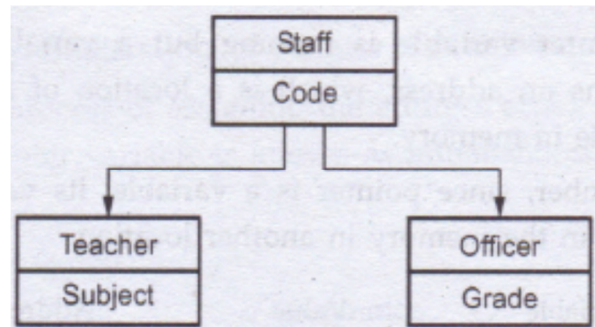


36. Write a program showing use of single inheritance. [4]
37. Explain various types of inheritance with example. [8]
38. Draw and explain multiple inheritance with suitable example. [2]

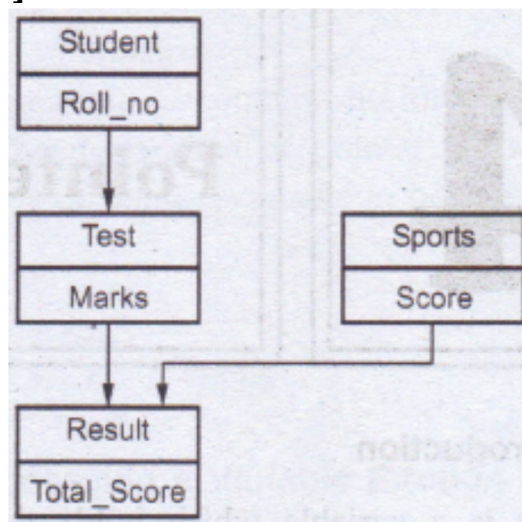
39. Write a program that illustrates multilevel inheritance. [4]

40. Explain abstract class with suitable example. [4]

41. Write a program to implement inheritance as shown in Fig. Assume suitable member function." [4]



42. Write a program to implement inheritance as shown in Fig. Assume suitable member function. [8]



43. State different types of visibility modes in inheritance. [2]

44. What is multiple inheritance? What is multilevel inheritance? What is difference between them? [2]

45. What is "base class? What is derived class? Give example. [4]

46. What is virtual base class? Explain with example. [4]

47. Explain hybrid inheritance with example. [4]

48. What is inheritance? What is use of inheritance? Explain. [4]