SUPER 25

OOP with C++(22316)

VIMP Question Bank

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1. POP vs OOP

2. Write any four benefits of OOP.

3. Write the applications of object oriented programming.

4. Class, object, inheritance, encapsulation, abstraction etc

5. Write a C++ program to find and display the smallest number of an array.

6. Write a program to sort an 1-d array in ascending / descending order.

7. Write a C++ program to accept array of five elements, find and display smallest number from an array.

8. Write a program to declare structure student having rollno,name & marks.

9. Write a C++ program to declare a structure book with members as book id and name. Accept and display data of five books using array of structure.

10. Simple class program like below given example:

(i) Write a C++ program to declare a class COLLEGE with members as college code. Derive a new class as STUDENT with members as studid. Accept and display details of student along with college for one object of student.

(ii) Write a C++ program to declare a class COLLEGE with members as college code. Derive a new class as STUDENT with members as studid. Accept and display details of student along with college for one object of student.

11. Member Function with program example (const, inline, static, Friend)

Example :

Write a C++ program to find greatest number among two numbers from two different classes using friend function.

12. Write a C++ program to find smallest number from two numbers using friend function.

13. Write a C++ program to declare a class addition with data members as x and y. Initialize values of x and y with constructor.

14. Calculate addition and display it using function 'display'.

15. Types of Constructor

16. Destructor with Program example

17. Constructor vs Destructor

18. Inheritance ? Types of Inheritance

19. Describe visibility modes and their effects used in inheritance.

20. All types inheritance programs took by Akshay sir in lecture

21 Differentiate between run time and compile time polymorphism.

22. What are the rules for virtual function?

23. Develop a c++ program to implement virtual Base class.

24. Describe 'this' pointer with an example.

25. Overloading

(i) Write a C++ program to overload "+" or '-' operator so that it will perform concatenation of two strings. (Use class get data function to accept two strings)

(ii)Describe Function overloading with suitable program.

26. Question on Files

(i) Write a program to count the number of lines in file.

(ii) Write a C++ program to count number of spaces in text file.

(iii) Write a C++ program to append data from abc.txt to xyz.txt file.