Object Creation Basics

1. Write a program to create class Student with id, name, address , display(),Student(id,name). Create several objects and initialize them. Display the details of each student and finally display the number of student objects that are created.

2. Write a program to create a class CalculateSum with the int sum() method and pass different number of parameters of type int and invoke the sum() method and display the result.

Example:

sum(10,20);

sum(30,40,50);

Note: don't overload the sum() method.

3. Write a program to accept the number from the user and based on the user's choice , give the

appropriate result to the user. The choices are :

1. Factorial

2. Table

3. Prime or not

Note: Invoke the methods without creating the object

4. Write a program to create a Class Student with id, name ,sub[5], display() and calSum(int a[]).

Find the sum and display the student details by using display() method.

5. Write a program to Create class Product with pid, pname , price and display(). Create 10 objects and store in an array. Display all product information by using display() method.

6. Write a program to create a class Employee with id, name and salary. With the getter and

setter methods initialize the employee object. When you invoke toString() method, it should

display the id, name and salary.

Example:

Id=100;

Name ="miani"

Salary=25000;

If invoked toString() method ,the output should be id =100 and name = miani and

Salary = 25000

7. Write a program to Create class Employee with

Employee(int id,String name)

Employee(int id,String name,float sal)

void display();

If the employee object has to be created with only two parameters, then initial default salary should be

Rs 20000. Display employee details by using display method.

8. Write a program to Create Class Product with id, name and price. Create an object with

names laptop and desktop and swap the prices.

Example:

Product laptop=new product(100,'sony',8500)

Product desktop=new product(100,'sony',35000)

Display laptop price as 35000 and desktop price as 8500, using pass by object.

9. Write a program to find the factorial of a given number using recursive function ?

10. Write programs using recursion:

1. GCD of two numbers

2. Fibonacci series

3. Sum of N natural numbers