

Web Technology Lab Programs

1. Write a program in java to create a package Factorial in which it contains a class Findfactorial with a function fact() which finds factorial of a number. Now create another package named Summation in which FindFactorial is imported and also having class FindSummation with a function sum() to find the following
 $1/1! + 2/2! + 3/3! + \dots + n/n!$, finally display the sum.
2. Define two packages as – General and Marketing. In General package define a class “employee” with data members as empid(protected), ename(private) and a public method as earnings() which calculate total earnings as
earnings basic + DA (80% of basic) + HRA (15% of basic)
In Marketing package define a class “sales” which is extending from “employee” class and has a method talloavance() which calculates Travelling Allowance as 5% of total earning. Write the programs to find out total earning of a sales person for the given basic salary amount and print along with the emp id.
3. Illustrate the usage of abstract class with following Java classes –
i>An abstract class “student” with data member roll no, reg no and a abstract method course()
ii>A subclass “kiitian” with course() method implementation
4. Define an interface Motor with a data member –capacity and two methods such as run() and consume(). Define a Java class “Washing machine” which implements this interface and write the code to check the value of the interface data member through an object of the class.