**21k-3881**

**Example**

import java.util.\*;  
class vehicle {  
 String make;  
 int modle, maxspeed,dis;  
  
 vehicle(String make, int modle,int maxspeed , int dis) {  
 this.make = make;  
 this.modle = modle;  
 this.maxspeed=maxspeed  
 this.dis=dis;   
 }  
  
 vehicle() {}  
  
}  
  
class truck extends vehicle{  
  
 String make;  
 int modle,maxspeed,dis;  
 public truck(String make, int modle, int maxspeed,int dis){  
 super.make=make;  
 super.modle=modle;  
 super.maxspeed=maxspeed ;  
 super.dis=dis; }  
 public void calfuel(){  
 Scanner s=new Scanner(System.*in*);  
  
 System.*out*.println("enter truck speed");  
 int sp=s.nextInt();  
   
 System.*out*.println(" succesfully created efficiecy");  
  
 }  
  
 void print(){  
 System.*out*.println("truck made by"+super.make);  
 System.*out*.println("truck modle is "+super.modle);  
 System.*out*.println("truck speed "+super.maxspeed);  
 System.*out*.println("truck distance"+super.dis);  
 }  
}  
  
class car extends vehicle{  
 String make;  
 int modle,maxspeed,dis;  
 car(String make ,int modle, int maxspeed. int dis){  
 super.make=make;  
 super.modle=modle;  
 super.maxspeed=maxspeed;  
 super.dis=dis; }  
 public void calfuel(){  
 Scanner s=new Scanner(System.*in*);  
  
 System.*out*.println("enter car speed");  
 int sp=s.nextInt();  
   
 System.*out*.println(" succesfully created efficiecy");  
  
 }  
  
 void print(){  
 System.*out*.println("car made by"+super.make);  
 System.*out*.println("car modle is "+super.modle);  
 System.*out*.println("car speed "+super.maxspeed);  
 System.*out*.println("car distance"+super.dis);  
 }  
  
}  
class motorcycle extends vehicle{  
 String make;  
 int modle,maxspeed,dis;  
 motorcycle(String make ,int modle, int maxspeed,int dis){  
 this.make=make;  
 this.modle=modle;  
 this.maxspeed= maxspeed;  
 this.dis=dis; }  
 public void calfuel(){  
 Scanner s=new Scanner(System.*in*);  
  
 System.*out*.println("enter motorcycle speed");  
 int sp=s.nextInt();  
  
 System.*out*.println(" succesfully created efficiecy");  
  
 }  
  
 void print(){  
 System.*out*.println("motor made by"+super.make);  
 System.*out*.println("motor modle is "+super.modle);  
 System.*out*.println("motor speed "+super.maxspeed);  
 System.*out*.println("motor distance"+super.dis);  
 }  
  
}  
  
public class eg{  
 public static void main(String args[]){  
 truck t=new truck("ford","2018","120","1200");  
 t.calfuel();  
 t.print();  
  
  
 car c= new car("kia","2020","150","2500");  
 c.calfuel();  
 c.print();  
  
  
 motorcycle m= new motorcycle("toyota","2015","220","120");  
 m.calfuel();  
 m.print();  
 }  
  
  
}