ANS 1; CLASS:

The collection of objects is called class. A class is a programming language construct that is used as a blueprint to create an objects. This blueprint includes attributes and methods that the created object all share.

ROLES OF OBJECT IN CLASS:

1: Object is an instance of class.

2: object is real world entity.

3: object occupies memory.

OBJECT CONSIST OF:

1: Identity-name

2: State/ attribute

3: Behavior

HOW TO CREATE AN OBJECT:

1: By using new keyword.

2: By using new instance method.

3: By using clone() method.

4: By using factory method.

SIMPLE PROGRAME :

Class asad

{

Public static void main(String[]args)

{

ac pia = new ac();

System.out.println(“num of passenger”+pia.pass);

System.out.println(“fuel consumption”+pia.fc);

}

Class ac

{

int pass=90;

double fc=30;

}

EXPLAINATION OF ABOVE PROGRAME:

In the above programe first we take a class of name asad. Then take a main function. Pia is the object of class ac.ac is the another class we have initialized two variables in this class.

ANS 2:

Import java .util.\*;

Public class name

{

int pass;

scanner py = new scanner(system . in);

System.out.println(“enter for table”);

Pass= py.nextint();

ac tab= new ac(pass);

tab.table();

}

}

class ac

{

int tval;

ac(int b)

{

tval= b;

}

void table()

{

int z=0;

for(int i=1;i<=10;i++)

{

a= tval\*I;

System.out.println(“table for” + a);

}

}

}

EXPLAINATION:

Py is the object used to take input from user.Tab is the object used for class , pass is the parameter sent to the constructor. Ac is the class . Constructer is used with one parameter. Method is used of type void.for function is used.

ANS 3:

import java.util.\*;

public class star

{

Public static void main(String[]args)

{

car honda =new car();

car mersadeez=new car();

scanner py= new scanner(system.in);

System.out.println(“enter area coverd by Honda”);

honda. area=py.nextint();

System .out.println(“fuel capacity of Honda”);

honda.fcap=py.nextdouble();

System.out.println(“fuel consumption of Honda”);

honda.fc=py.nextdouble();

System.out.println(“area covered by Honda=”+honda.area);

System.out.println(“fuel capacity of Honda =”+honda.fcap);

System.out.println(“fuel consumption by Honda=”+honda.fc);

System.out.println(“performance of Honda”);

honda.perform();

System.out.println(“area covered by mersadeez”);

mersadeez.area=py.nextint();

System.out.println(“enter fuel capacity of mersadeez”);

mersadeez.fcap=py.nextdouble();

System .out.println(“enter fuel consumption by mersadeez”);

mersadeez.fc=py.nextdouble();

System.out.println(“area covered by mersadeez=”+mersadeez.area);

System.out.println(“fuel capacity=”+mersadeez.fcap);

System.out.println(“fuel consumption by mersadeez=”+mersadeez.fc);

System.out.println(“performance of mersadeez”);

Mersadeez.perform();

}

}

class car

{

int area;

double fcap;

double fc;

void perform();

{

Double p;

P= fcap/fc;

System.out.println(“performance” +p);

}

}

EXPLAINATION:

Take a class of name metapp.Take a main function. Used Honda object of class car. Used another object mersadeez for class.py is the object used for input. Then used a statements for area covered by Honda car ,fuel capacity and fuel consumption by Honda car. And take values from user. Then used a statements for mersadeez according to Honda object and take their values from user. Then we declared method of void data type of name perform and call the method into main function.