1) Student Details

package oopsPrograms.com;

import java.util.Scanner;

class Student{

int rollNo;

String firstName;

double percentage;

public void accept()

{

Scanner sc = new Scanner(System.***in***);

System.***out***.println("Enter rollNo firstName Percentage");

rollNo = sc.nextInt();

firstName = sc.next();

percentage = sc.nextDouble();

}

public void display()

{

System.***out***.println("RollNo. "+rollNo);

System.***out***.println("Name "+firstName);

System.***out***.println("Percentage "+percentage);

}

}

public class Student\_Details {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int num, i;

Scanner sc = new Scanner(System.***in***);

System.***out***.println("Enter size of array:");

num = sc.nextInt();

Student []student = new Student[num]; // array creation

for(i=0; i<num; i++)

{

student[i] = new Student(); //Object

student[i].accept();

student[i].display();

}

}

}

Output:

Enter size of array:

1

Enter rollNo firstName Percentage

101 Ashok 97.98

RollNo. 101

Name Ashok

Percentage 97.98

2) Book (int bid, String bname, author, double price)

import java.util.Scanner;

class Book{

int bid;

String bname, author;

double price;

public void accept()

{

Scanner sc = new Scanner(System.***in***);

System.***out***.println("Enter Book Id BookName Author Price");

bid = sc.nextInt();

bname = sc.next();

author = sc.next();

price = sc.nextDouble();

}

public void display()

{

System.***out***.println("Book Id. "+bid);

System.***out***.println("Book Name "+bname);

System.***out***.println("Book Author "+author);

System.***out***.println("Book Price "+price);

}

}

public class Book\_Details {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int num, i;

Scanner sc = new Scanner(System.***in***);

System.***out***.println("Enter size of array:");

num = sc.nextInt();

Book []book = new Book[num]; // array creation

for(i=0; i<num; i++)

{

book[i] = new Book(); //Object

book[i].accept();

book[i].display();

}

}

}

Enter size of array:

1

Enter Book Id BookName Author Price

1 Doittoday Robin 181

Book Id. 1

Book Name Doittoday

Book Author Robin

Book Price 181.0

3) Vehicle (int vid, String vname, companyname, color, owner, double price)

import java.util.\*;

class Vehicle{

int vehicleId;

String vehicleName,companyName,color,owner;

double vehiclePrice;

public void setVehicleInformation(){

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter Vehicle id");

vehicleId=sc.nextInt();

System.***out***.println("Enter Vehicle name");

vehicleName=sc.next();

System.***out***.println("Enter company name");

companyName=sc.next();

System.***out***.println("Enter Vehicle color");

color=sc.next();

System.***out***.println("Enter owner name");

owner=sc.next();

System.***out***.println("Enter Vehicle price");

vehiclePrice=sc.nextDouble();

}

public void getVehicleInformation(){

System.***out***.println("Vehicle Id:"+vehicleId);

System.***out***.println("Vehicle Name:"+vehicleName);

System.***out***.println("Vehicle company name:"+companyName);

System.***out***.println("Vehicle color:"+color);

System.***out***.println("Vehicle owner:"+owner);

System.***out***.println("Vehicle price:"+vehiclePrice);

}

}

public class Vehicle\_Details

{

public static void main(String[] args) {

int n,i;

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter size of array");

n=sc.nextInt();

Vehicle[] vehicle=new Vehicle[n];

for(i=0;i<n;i++){

vehicle[i]=new Vehicle();

vehicle[i].setVehicleInformation();

vehicle[i].getVehicleInformation();

}

}

}

Output:

Enter size of array

2

Enter Vehicle id

102

Enter Vehicle name

FerrariRoma

Enter company name

Ferrari

Enter Vehicle color

Red

Enter owner name

Ashok

Enter Vehicle price

30000000

Vehicle Id:102

Vehicle Name:FerrariRoma

Vehicle company name:Ferrari

Vehicle color:Red

Vehicle owner:Ashok

Vehicle price:3.0E7

Enter Vehicle id

103

Enter Vehicle name

RollsRoyceGhost

Enter company name

RollsRoyce

Enter Vehicle color

White

Enter owner name

Ashok

Enter Vehicle price

80000000

Vehicle Id:103

Vehicle Name:RollsRoyceGhost

Vehicle company name:RollsRoyce

Vehicle color:White

Vehicle owner:Ashok

Vehicle price:8.0E7

4) Employee (int eid, String ename, designation, email, address, double salary)

import java.util.Scanner;

class Employee{

int eid;

String ename,designation, email, address;

double salary;

public void accept()

{

Scanner sc = new Scanner(System.***in***);

System.***out***.println("Enter Employee Id. Employee Name Designation Email Id Address Salary:");

eid = sc.nextInt();

ename = sc.next();

designation = sc.next();

email = sc.next();

address = sc.next();

salary = sc.nextDouble();

}

public void display()

{

System.***out***.println("Employee Id. "+eid);

System.***out***.println("Employee Name "+ename);

System.***out***.println("Designation "+designation);

System.***out***.println("Email Id "+email);

System.***out***.println("Address "+address);

System.***out***.println("Salary "+salary);

}

}

public class Employee\_Details {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int num, i;

Scanner sc = new Scanner(System.***in***);

System.***out***.println("Enter size of array:");

num = sc.nextInt();

Employee []employee = new Employee[num]; // array creation

for(i=0; i<num; i++)

{

employee[i] = new Employee(); //Object

employee[i].accept();

employee[i].display();

}

}

}

Output:

Enter size of array:

1

Enter Employee Id. Employee Name Designation Email Id Address Salary:

101 Ash CEO ash@gmail.com Dhankawadi 100000

Employee Id. 101

Employee Name Ash

Designation CEO

Email Id ash@gmail.com

Address Dhankawadi

Salary 100000.0