Assignment-2

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1. Define a student class with following data members Idno, name, course and average Add methods to read and display the student data.

Program

```
package javapractice;
import java.util.Scanner;
public class Students {

//attributes or data members or class variables
private int idno;
private String name, course;
private float avg_marks;
//function or method
public void readdata()
{
Scanner obj = new Scanner(System.in);
System.out.println("Enter idno ");
idno=obj.nextInt();
System.out.println("Enter Name of the student ");
name=obj.next();
System.out.println("Enter Course name ");
course=obj.next();
System.out.println("Enter average marks ");
avg_marks=obj.nextFloat();
}
protected void showdata()
{
System.out.println("IDNO "+ idno);
System.out.println("Name "+ name);
System.out.println("Course "+ course);
System.out.println("Average "+ avg_marks);
}

}
```

```
package javapractice;

public class StudentsImp {

public static void main(String[] args) {
Students s1 = new Students();
s1.readdata();
s1.showdata();
}

}
```

```java
package javapractice;
import java.util.Scanner;
public class Students {

        //attributes or data members or class variables

        private int idno;
        private String name, course;
        private float avg_marks;

        //function or method
        public void readdata()
        {
            Scanner obj = new Scanner(System.in);

            System.out.println("Enter idno ");
            idno=obj.nextInt();
            System.out.println("Enter Name of the student ");
            name=obj.next();
            System.out.println("Enter Course name ");
            course=obj.next();
            System.out.println("Enter average marks ");
            avg_marks=obj.nextFloat();


        }

        protected void showdata()
        {
            System.out.println("IDNO "+ idno);
            System.out.println("Name "+ name);
            System.out.println("Course "+ course);
            System.out.println("Average "+ avg_marks);
        }

    }
```

Output:

```
Enter idno
2003
Enter Name of the student
radha
Enter Course name
java
Enter average marks
78
```

2. Write a Java program named Car

● The Car class should have the following attributes: make (String), model

(String) , year (short) , and price(int) .

● The car class should have a constructor that takes all the attributes.

● Add a main method to instantiate car objects.

● The program should allow the user to create and display objects of each

Program

```
package javapractice;

public class Car {
// TODO Auto-generated method stub
private String make, model;
private short year;
private int price;
public Car(String make,String model,short year,int price)
{
this.make = make;
this.model = model;
this.year = year;
this.price = price;

}
public void show()
{
System.out.println("car model"+model);
System.out.println("car make"+make);
System.out.println("car year"+year);
System.out.println("car price"+price);
}
public static void main(String[] args) {
short yr = 2023;
int price = 5000000;
Car obj = new Car("Maruthi","zen",yr,price);
obj.show();
yr = 2000;
price = 3000000;
Car obj1 = new Car("Maruthi","Scoda",yr,price);
obj1.show();
}

}
```

```java
package javapractice;

public class Car {
        // TODO Auto-generated method stub
        private String make, model;
        private short year;
        private int price;
        public Car(String make,String model,short year,int price)
        {
            this.make = make;
            this.model = model;
            this.year = year;
            this.price = price;

    }
        public void show()
        {
            System.out.println("car model"+model);
            System.out.println("car make"+make);
            System.out.println("car year"+year);
            System.out.println("car price"+price);
        }
```

```java
         public static void main(String[] args) {
             short yr = 2023;
             int price = 5000000;

             Car obj = new Car("Maruthi","zen",yr,price);
             obj.show();

              yr = 2000;
              price = 3000000;
             Car obj1 = new Car("Maruthi","Scoda",yr,price);
             obj1.show();

         }

}
```

Output:

```
car modelzen
car makeMaruthi
car year2023
car price5000000
car modelScoda
car makeMaruthi
car year2000
car price3000000
```