**Assignment - Objects in java**

**Question 1:**

public class Car {

    public static String showRoomName;

    public String modelName;

    public int price;

    public void displayDetails(){

        System.out.println("Show room name: "+showRoomName);

        System.out.println("Model name: "+modelName);

        System.out.println("price: "+price);

    }

    public static void main(String[] args) {

        Car car1 = new Car();

        Car.showRoomName="Elite Motors";

        car1.modelName="Tesla Model S";

        car1.price=80000;

        car1.displayDetails();

        Car car2 = new Car();

        car2.modelName="BMW X5";

        car2.price=75000;

        car2.displayDetails();

    }

}

Question 2:

public class Book {

    public static String libraryName;

    public String title;

    public String author;

    public void displayInfo(){

        System.out.println("library Name :"+libraryName);

        System.out.println("title :"+title);

        System.out.println("Author:"+author);

    }

    public static void main(String[] args) {

        Book book1 = new Book();

        Book.libraryName="City public Library";

        book1.title="The Great Gatsby";

        book1.author="F.Scott Fitzgerald";

        book1.displayInfo();

        Book book2 = new Book();

        book2.title="1984";

        book2.author="George Orwell";

        book2.displayInfo();

    }

}

**Question-3:**

public class Mobile {

        public static String storeName;

        public String brand;

        public long price;

        public void showDetails(){

            System.out.println("Store Name :"+storeName);

            System.out.println("brand:"+brand);

            System.out.println("Price:"+price);

        }

        public static void main(String[] args) {

            Mobile mobile = new Mobile();

            Mobile.storeName="Tech World";

            mobile.brand="Samsung";

            mobile.price=1200;

            mobile.showDetails();

            Mobile mobile1 = new Mobile();

            mobile1.brand="Apple";

            mobile1.price=900;

            mobile1.showDetails();

        }

    }

**Question-4:**

public class Patient {

        public static String hospitalName;

        public String patientName;

        public long age;

        public void showDetails(){

            System.out.println("Hospital name:"+hospitalName);

            System.out.println("Patient Name:"+patientName);

            System.out.println("Age:"+age);

        }

        public static void main(String[] args) {

            Patient p1=new Patient();

            Patient.hospitalName="City care Hospital";

            p1.patientName="John Doe";

            p1.age=45;

            p1.showDetails();

            Patient p2=new Patient();

            p2.patientName="Emma Watson";

            p1.age=30;

            p1.showDetails();

        }

}

**Question-5:**

public class Faculty {

        public static String universityName;

        public String facultyName;

        public String department;

        public void showFacultyDetails(){

            System.out.println("University name:"+universityName);

            System.out.println("Faculty Name:"+facultyName);

            System.out.println("Department:"+department);

            System.out.println("-----------------------------");

        }

        public static void main(String[] args) {

           Faculty f1=new Faculty();

           Faculty.universityName="Stanford University";

           f1.facultyName="Dr.Robert Brown";

           f1.department="Computer Science";

           f1.showFacultyDetails();

           Faculty f2=new Faculty();

           f2.facultyName="Dr.Lisa Green";

           f2.department="Physics";

           f2.showFacultyDetails();

        }

}