

Week 02 : Programming Assignment 4

Due on 2025-02-06, 23:59 IST

Create a class `Car` with attributes `brand` and `price`. Add a method `display()` to show the car details. Write a program to create two objects of this class and display their details.

Input:
Two lines, each containing:

- Car brand (a single word)
- Car price (an integer)

Output:
Print the brand and price of both cars.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	Tata 600000 Hyundai 750000	Car 1: Tata, Price: 600000\nCar 2: Hyundai, Price: 750000	Car 1: Tata, Price: 600000\nCar 2: Hyundai, Price: 750000	Passed

The due date for submitting this assignment has passed.
1 out of 1 tests passed.
You scored 100.0/100.

Assignment submitted on 2025-02-03, 19:06 IST

Your last recorded submission was :

```
1 import java.util.*;
2 public class W02_P4{
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         String brand1 = sc.next();
6         int price1 = sc.nextInt();
7         String brand2 = sc.next();
8         int price2 = sc.nextInt();
9         // Define the class Car here
10        class Car {
11            // Variables
12            String brand;
13            int price;
14
15            // Constructor
16            Car(String brand, int price) {
17                this.brand = brand;
18                this.price = price;
19            }
20
21            // Display method
22            void display(int num) {
23                if (num == 1) {
24                    System.out.print("Car " + num + ": " + brand + ", Price: " + price + "\n");
25                } else {
26                    System.out.print("Car " + num + ": " + brand + ", Price: " + price);
27                }
28            }
29        }
30
31        // Create two objects of Car and display their details
32        // Main code
33        Car car1 = new Car(brand1, price1);
34        Car car2 = new Car(brand2, price2);
35        car1.display(1);
36        car2.display(2);
37
38        sc.close();
39    }
40 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.*;
2 public class W02_P4{
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         String brand1 = sc.next();
6         int price1 = sc.nextInt();
7         String brand2 = sc.next();
8         int price2 = sc.nextInt();
9
10        class Car {
11            String brand;
12            int price;
13
14            // Constructor
15            Car(String brand, int price) {
16                this.brand = brand;
17                this.price = price;
18            }
19
20            // Display method
21            void display(int num) {
22                System.out.println("Car " + num + ": " + brand + ", Price: " + price);
23            }
24        }
25
26        // Create two objects of Car and display their details
27        // Main code
28        Car car1 = new Car(brand1, price1);
29        Car car2 = new Car(brand2, price2);
30        car1.display(1);
31        car2.display(2);
32
33        sc.close();
34    }
35 }
```