

Solution Review: Associate Vehicle and Its Driver

This lesson gives the solution to the challenge: "Associate Vehicle and Its Driver", with a brief explanation.

WE'LL COVER THE FOLLOWING ^

- Solution
- Explanation

Solution

```
// Vehicle class
class Vehicle {

    String model;
    int id;

    Vehicle(String model, int id) { // Parameterized constructor
        this.id = id;
        this.model = model;
    }

}

class Driver {

    String driverName;
    Vehicle vehicle;

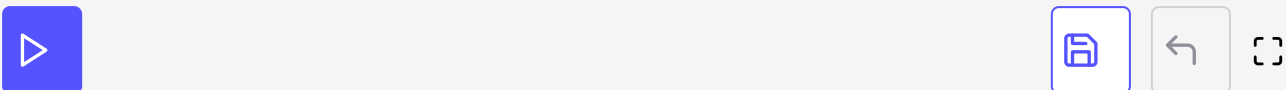
    Driver(String name, Vehicle v) { // Parameterized constructor
        vehicle = v;
        this.driverName = name;
    }

}

class Main {

    public static void main(String args[]) {
        // Creating a Vehicle object with model: "Volvo S60", and id: "4453"
        Vehicle vehicle = new Vehicle("Volvo S60", 4453);
        // Creating a Driver object having name: "John" and passing the
        // vehicle in its constructor
        Driver driver = new Driver("John", vehicle);
        System.out.println(driver.driverName +
            " is a driver of car Id: " + driver.vehicle.id);
    }
}
```

```
}  
}  
  
}
```



Explanation

- Line 8: This constructor simply initializes the member variables i.e. **id** and **model**.
- Line 17: The class **Driver** declares a **Vehicle** object which is then initialized in the constructor.
- Line 30: This line declares and initializes a **Vehicle** instance.
- Line 33: This line initializes a **Driver** object and passes the **vehicle** in its constructor.
- Line 34: It simply prints out the **driverName** along with its *vehicle id*.