

# Solution Review: Implement the Derived Class

This review provides a detailed analysis to solve the 'Implement the Derived Class' challenge.

## We'll cover the following ^

- Solution
- Explanation

## Solution #

```
1 // Base Class
2 class Vehicle {
3
4     // Private Data Members
5     private String speed;
6     private String model;
7
8     public Vehicle() { // Default Constructor
9         speed = "100";
10        model = "Tesla";
11    }
12
13    // Getter Function
14    public String getSpeed() {
15        return speed;
16    }
17
18    // Getter Function
19    public String getModel() {
20        return model;
21    }
22 }
23
24
25 // Derived Class
26 class Car extends Vehicle {
27
28     public String name; // Name of the Car
29
30     public Car() { // Default Constructor
31         name = "";
```



## Explanation #

- **Line 26:** `Car` class is extended from the `Vehicle` class using the `extends` keyword.
- **Line 41:** Using `getDetails()` method, we call the Base Class methods to get `model` and `speed` details of the vehicle and append it with the car name.