**Exercise 10: Implementing the MVC Pattern**

**Scenario:**

You are developing a simple web application for managing student records using the MVC pattern.

**Steps:**

1. **Create a New Java Project:**
   * Create a new Java project named **MVCPatternExample**.
2. **Define Model Class:**
   * Create a class **Student** with attributes like **name, id, and grade**.
3. **Define View Class:**
   * Create a class **StudentView** with a method **displayStudentDetails()**.
4. **Define Controller Class:**
   * Create a class **StudentController** that handles the communication between the model and the view.
5. **Test the MVC Implementation:**
   * Create a main class to demonstrate creating a **Student**, updating its details using **StudentController**, and displaying them using **StudentView**.

**Student Class (Model)**: This class represents the student data with attributes such as id, name, and grade. It includes getters and setters for these attributes.

**StudentView Class (View)**: This class is responsible for displaying the student details. It has a method displayStudentDetails to print the student information.

**StudentController Class (Controller)**: This class handles the communication between the model and the view. It has methods to update the model data and to update the view with the latest model data.

**MVCPatternTest Class**: In this class, we create instances of Student, StudentView, and StudentController. We use the controller to update the model data and display the student details using the view.