class Student {

private String name;

private String id;

private String grade;

public Student(String name, String id, String grade) {

this.name = name;

this.id = id;

this.grade = grade;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getId() {

return id;

}

public String getGrade() {

return grade;

}

public void setGrade(String grade) {

this.grade = grade;

}

}

class StudentView {

public void displayStudentDetails(String studentName, String studentId, String studentGrade) {

System.out.println("Student Details:");

System.out.println("Name: " + studentName);

System.out.println("ID: " + studentId);

System.out.println("Grade: " + studentGrade);

}

}

class StudentController {

private Student model;

private StudentView view;

public StudentController(Student model, StudentView view) {

this.model = model;

this.view = view;

}

public void setStudentName(String name) {

model.setName(name);

}

public String getStudentName() {

return model.getName();

}

public void updateView() {

view.displayStudentDetails(model.getName(), model.getId(), model.getGrade());

}

}

public class Main{

public static void main(String[] args) {

Student student = new Student("John Doe", "12345", "A");

StudentView view = new StudentView();

StudentController controller = new StudentController(student, view);

controller.updateView();

controller.setStudentName("Jane Doe");

controller.updateView();

}

}

OUTPUT:

