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Main.java

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```
// Method to display student information
public void displayStudentInfo() {
    System.out.println("Student ID: " + student_id);
    System.out.println("Student Name: " + student_name);
    System.out.println("Grades: " + grades);
}

public static void main(String[] args) {
    Student student = new Student(1, "Alice");

    // Setting student ID and name
    student.setStudent_id(101);
    student.setStudent_name("Alice Johnson");

    // Adding grades
    student.addGrade(85.5);
    student.addGrade(92.0);
    student.addGrade(76.3);
    student.addGrade(150.0); // Invalid grade, will not be added

    // Displaying student information
    student.displayStudentInfo();
}
```

Output

Clear

java -cp /tmp/QiCvYUxRt/Student
Invalid grade. Please enter a grade between 0 and 100.
Student ID: 101
Student Name: Alice Johnson
Grades: [85.5, 92.0, 76.3]

=== Code Execution Successful ===

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29-07-2024