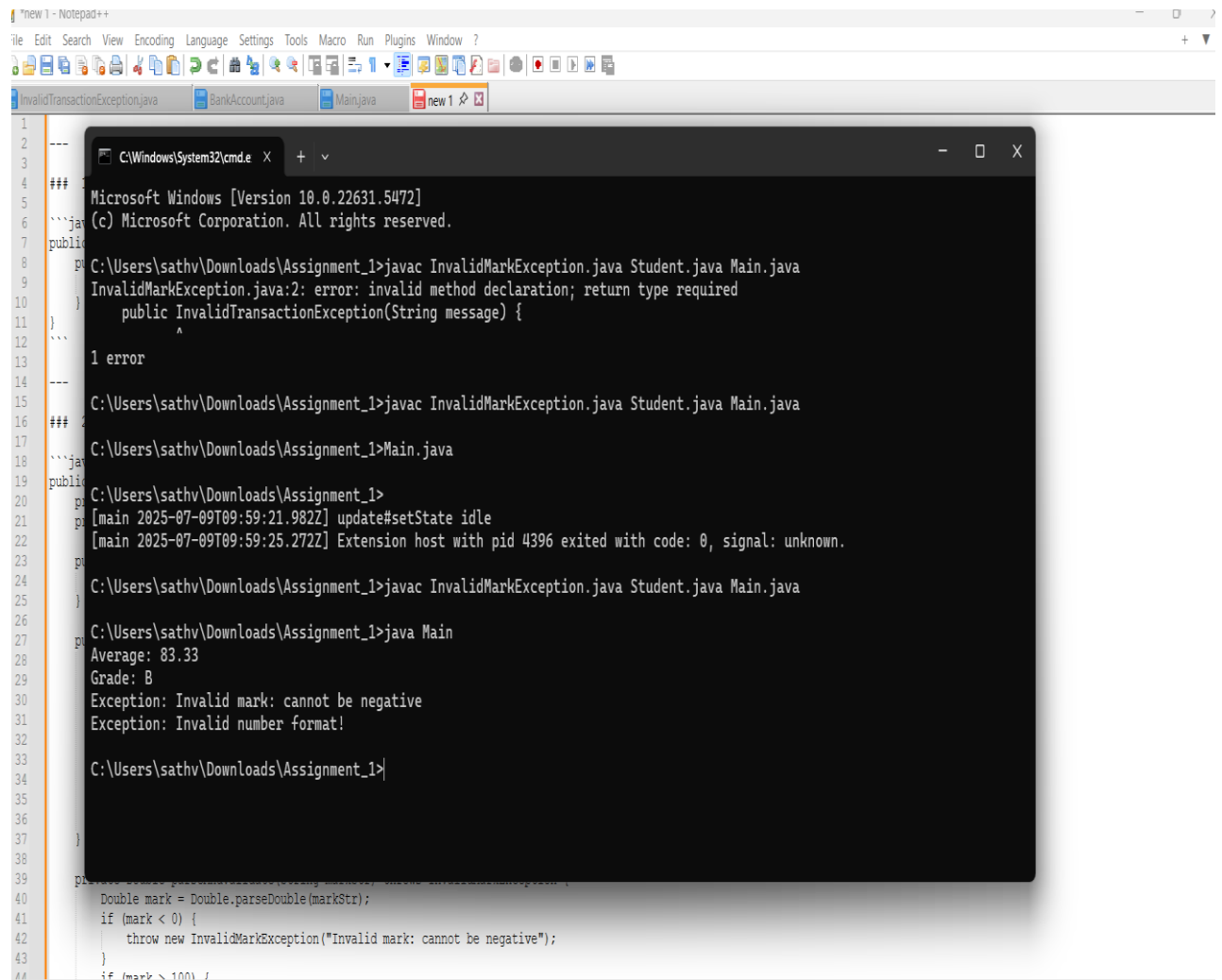


Output Screenshot:



The screenshot shows a Notepad++ window with a Java file named 'InvalidTransactionException.java'. The code defines a custom exception class and a main method. A Windows Command Prompt window is overlaid on the code, showing the following output:

```
Microsoft Windows [Version 10.0.22631.5472]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sathv\Downloads\Assignment_1>javac InvalidMarkException.java Student.java Main.java
InvalidMarkException.java:2: error: invalid method declaration; return type required
    public InvalidTransactionException(String message) {
        ^
1 error

C:\Users\sathv\Downloads\Assignment_1>javac InvalidMarkException.java Student.java Main.java

C:\Users\sathv\Downloads\Assignment_1>Main.java

C:\Users\sathv\Downloads\Assignment_1>
[main 2025-07-09T09:59:21.982Z] update#setState idle
[main 2025-07-09T09:59:25.272Z] Extension host with pid 4396 exited with code: 0, signal: unknown.

C:\Users\sathv\Downloads\Assignment_1>javac InvalidMarkException.java Student.java Main.java

C:\Users\sathv\Downloads\Assignment_1>java Main
Average: 83.33
Grade: B
Exception: Invalid mark: cannot be negative
Exception: Invalid number format!

C:\Users\sathv\Downloads\Assignment_1>
```

The background code in Notepad++ includes the following snippets:

```
public class InvalidTransactionException extends RuntimeException {
    public InvalidTransactionException(String message) {
        super(message);
    }
}

public class Student {
    private double mark;
    private String name;

    public Student(double mark, String name) {
        this.mark = mark;
        this.name = name;
    }

    public double getMark() {
        return mark;
    }

    public String getName() {
        return name;
    }

    public void setMark(double mark) {
        this.mark = mark;
    }

    public void setName(String name) {
        this.name = name;
    }
}

public class Main {
    public static void main(String[] args) {
        Student student = new Student(83.33, "Sathv");
        System.out.println("Average: " + student.getMark());
        System.out.println("Grade: " + student.getName());
        try {
            student.setMark(-1);
        } catch (InvalidMarkException e) {
            System.out.println("Exception: " + e.getMessage());
        }
        try {
            student.setName("123");
        } catch (InvalidNumberFormatException e) {
            System.out.println("Exception: " + e.getMessage());
        }
    }
}
```