

```
import java.util.Scanner;

public class StudentResultSystem {
    public StudentResultSystem() {
    }

    public static char calculateGrade(double var0) {
        if (var0 >= 90.0) {
            return 'A';
        } else if (var0 >= 75.0) {
            return 'B';
        } else if (var0 >= 60.0) {
            return 'C';
        } else {
            return (char)(var0 >= 40.0 ? 'D' : 'F');
        }
    }

    public static void gradeMessage(char var0) {
        switch (var0) {
            case 'A':
                System.out.println("Excellent Performance");
                break;
            case 'B':
                System.out.println("Very Good");
                break;
            case 'C':
                System.out.println("Good");
                break;
            case 'D':
                System.out.println("Pass");
        }
    }
}
```

```
        break;

    case 'E':
    default:
        System.out.println("Invalid Grade");
        break;
    case 'F':
        System.out.println("Fail");
    }

}

public static void main(String[] var0) {
    Scanner var1 = new Scanner(System.in);

    char var2;
    do {
        int var3;
        boolean var4;
        do {
            var3 = 0;
            var4 = false;
            System.out.println("\nEnter marks for 5 subjects:");

            for(int var5 = 1; var5 <= 5; ++var5) {
                System.out.print("Subject " + var5 + ": ");
                int var6 = var1.nextInt();
                if (var6 < 0 || var6 > 100) {
                    System.out.println("Invalid marks! Enter between 0 and 100.");
                    var4 = true;
                    break;
                }
            }
        } while (var4);
    }
}
```

```
    var3 += var6;
}

} while(var4);

double var8 = (double)var3 / 500.0 * 100.0;
char var7 = calculateGrade(var8);
System.out.println("\n--- Result Summary ---");
System.out.println("Total Marks: " + var3);
System.out.println("Percentage: " + var8 + "%");
System.out.println("Grade: " + var7);
gradeMessage(var7);
System.out.print("\nDo you want to enter another student? (Y/N): ");
var2 = var1.next().charAt(0);
} while(var2 != 'N' && var2 != 'n');

var1.close();
System.out.println("Program Ended.");
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER ...  JavaSE-21 LTS  + v ... | 

Active code page: 65001

```
C:\Users\madha\OneDrive\Desktop\sanika>javac studentresultsystem.java
Picked up JAVA_TOOL_OPTIONS: -Dstdout.encoding=UTF-8 -Dstderr.encoding=UTF-8
[0.085s][warning][cds] A jar file is not the one used while building the shared archive
file: C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.java-extension-pac
k-jdk\java\21\lib\modules
[0.086s][warning][cds] A jar file is not the one used while building the shared archive
file: C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.java-extension-pac
k-jdk\java\21\lib\modules
[0.088s][warning][cds] C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.j
ava-extension-pack-jdk\java\21\lib\modules timestamp has changed.
```

```
C:\Users\madha\OneDrive\Desktop\sanika>java StudentResultSystem
Picked up JAVA_TOOL_OPTIONS: -Dstdout.encoding=UTF-8 -Dstderr.encoding=UTF-8
[0.027s][warning][cds] A jar file is not the one used while building the shared archive
file: C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.java-extension-pac
k-jdk\java\21\lib\modules
[0.028s][warning][cds] A jar file is not the one used while building the shared archive
file: C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.java-extension-pac
k-jdk\java\21\lib\modules
[0.029s][warning][cds] C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.j
ava-extension-pack-jdk\java\21\lib\modules timestamp has changed.
```

Enter marks for 5 subjects:

Subject 1: 67
Subject 2: 57
Subject 3: 85
Subject 4: 55
Subject 5: 74

Result Summary

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER ...

JavaSE-21 LTS + ⌂ X

JavaSE-21 LTS + ⌂ X RECENT SESSIONS

CHAT

Enter marks for 5 subjects:
Subject 1: 67
Subject 2: 57
Subject 3: 85
Subject 4: 55
Subject 5: 74

--- Result Summary ---
Total Marks: 338
Percentage: 67.600000000001%
Grade: C
Good

Do you want to enter another student? (Y/N): sneha

Enter marks for 5 subjects:
Subject 1: 78
Subject 2: 96
Subject 3: 85
Subject 4: 76
Subject 5: 88

--- Result Summary ---
Total Marks: 423
Percentage: 84.6%
Grade: B
Very Good

Do you want to enter another student? (Y/N): vishal

Enter marks for 5 subjects:
Subject 1: 55

Java: Ready

Build AI response Generate onboard SUGGESTED WORK Build Work @workspace try-with-resources Agent

Ln 71, Col 31 Spaces: 4 UTF-8 LF { } Java 🛡️

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER ...  JavaSE-21 LTS  + v ... |  X

 JavaSE-... 

CHAT +

RECENT SESSIONS

- @workspace
Completed

Sh

Do you want to enter another student? (Y/N): vishal

Enter marks for 5 subjects:

Subject 1: 55

Subject 2: 45

Subject 3: 34

Subject 4: 75

Subject 5: 66

--- Result Summary ---

Total Marks: 275

Percentage: 55.000000000001%

Grade: D

Pass

Build v

AI responses

Generate AI
onboard AI c

SUGGESTED ACTI

Build Workspa

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@workspace /e
try-with-resour

Agent v Aut

Do you want to enter another student? (Y/N): rahul

Enter marks for 5 subjects:

Subject 1: 24

Subject 2: 35

Subject 3: 22

Subject 4: 21

Subject 5: 27

--- Result Summary ---

Total Marks: 129

Percentage: 25.8%

Grade: F

Fail

Do you want to enter another student? (Y/N):