

```
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;
                }
            }
        }
    }
}
```

```
        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.");
}
}
```

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```
C:\Users\madha\OneDrive\Desktop\sanika>javac studentresultssystem.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-pack-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-pack-jdk\java\21\lib\modules
[0.088s][warning][cds] C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.java-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-pack-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-pack-jdk\java\21\lib\modules
[0.029s][warning][cds] C:\Users\madha\AppData\Roaming\Code\User\globalStorage\pleiades.java-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

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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: 67.60000000000001%
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

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• @workspace
Completed

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: 55.00000000000001%

Grade: D

Pass

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):

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AI responses

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