TASK 2:

Task: Create a Java program that calculates the grade based on marks entered by the user.

Program:

```java
import java.util.Scanner;

public class GradeCalculator {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        String continueInput = "yes";

        while (continueInput.equalsIgnoreCase("yes")) {
            System.out.print("Enter marks obtained (out of 100): ");
            int marks = scanner.nextInt();

            char grade = calculateGrade(marks);
            System.out.println("Grade: " + grade);

            System.out.print("Do you want to continue? (yes/no): ");
            continueInput = scanner.next();
        }

        scanner.close();
        System.out.println("Thank You!");
    }

    public static char calculateGrade(int marks) {
        if (marks >= 90) {
            return 'A';
        } else if (marks >= 80) {
            return 'B';
        } else if (marks >= 70) {
            return 'C';
        } else if (marks >= 60) {
```
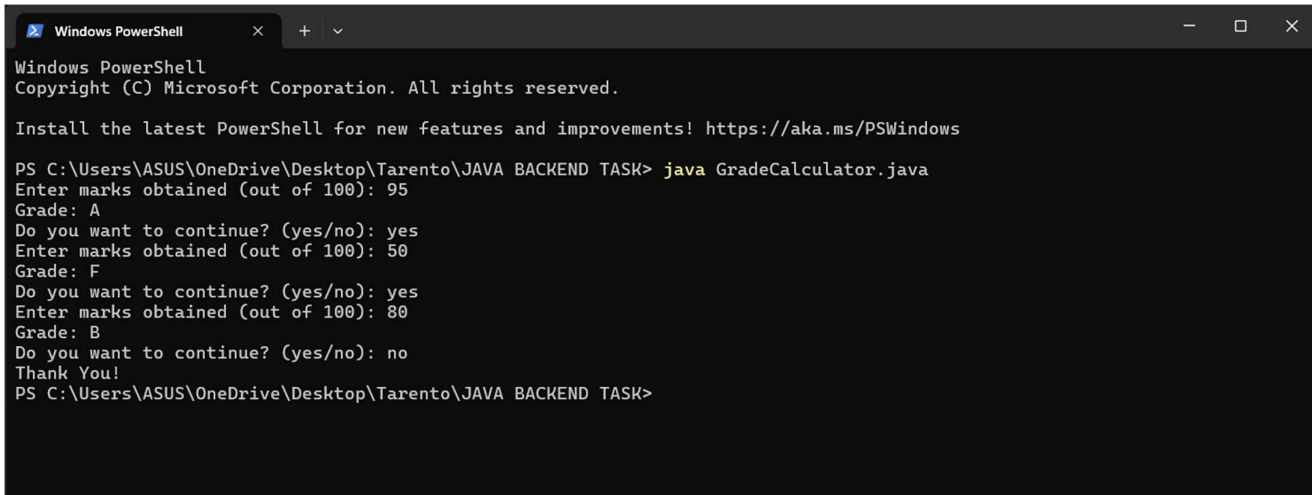
```
        return 'D';

    } else {

        return 'F';

    }

  }

}
```

Output:

```
Windows PowerShell

Windows PowerShell
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PS C:\Users\ASUS\OneDrive\Desktop\Tarento\JAVA BACKEND TASK> java GradeCalculator.java
Enter marks obtained (out of 100): 95
Grade: A
Do you want to continue? (yes/no): yes
Enter marks obtained (out of 100): 50
Grade: F
Do you want to continue? (yes/no): yes
Enter marks obtained (out of 100): 80
Grade: B
Do you want to continue? (yes/no): no
Thank You!
PS C:\Users\ASUS\OneDrive\Desktop\Tarento\JAVA BACKEND TASK>
```