

```
import java.util.Scanner;
```

```
public class GradeCalculator {
```

```
    public static String calculateGrade(double percentage) {
```

```
        if (percentage >= 90) {
```

```
            return "A+";
```

```
        } else if (percentage >= 80) {
```

```
            return "A";
```

```
        } else if (percentage >= 70) {
```

```
            return "B";
```

```
        } else if (percentage >= 60) {
```

```
            return "C";
```

```
        } else if (percentage >= 50) {
```

```
            return "D";
```

```
        } else {
```

```
            return "F";
```

```
        }
```

```
    }
```

```
    public static void main(String[] args) {
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        System.out.print("Enter the number of subjects: ");
```

```
        int numSubjects = scanner.nextInt();
```

```
        double totalMarks = 0;
```

```
        for (int i = 1; i <= numSubjects; i++) {
```

```
        System.out.print("Enter marks obtained in subject " + i + " (out of 100): ");  
  
        double marks = scanner.nextDouble();  
  
        totalMarks += marks;  
  
    }  
  
    double averagePercentage = totalMarks / numSubjects;  
  
    String grade = calculateGrade(averagePercentage);  
  
    System.out.println("Total Marks: " + totalMarks);  
  
    System.out.printf("Average Percentage: %.2f%%\n", averagePercentage);  
  
    System.out.println("Grade: " + grade);  
  
    }  
  
}
```