

TASK 2

STUDENT GRADE CALCULATOR

- 1.Input: Take marks obtained (out of 100) in each subject.
- 2.Calculate Total Marks: Sum up the marks obtained in all subjects.
- 3.Calculate Average Percentage: Divide the total marks by the total number of subjects to get the average percentage.
- 4.Grade Calculation: Assign grades based on the average percentage achieved.
- 5.Display Results: Show the total marks, average percentage, and the corresponding grade to the user

PROGRAM:

```
import java.util.Scanner;

public class GradeCalculator {

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

        System.out.print("Enter the number of subjects: ");
        int numSubjects = scanner.nextInt();

        int totalMarks = 0;
        for (int i = 1; i <= numSubjects; i++) {
            System.out.print("Enter marks obtained in subject " + i + ": ");
            int marks = scanner.nextInt();
            totalMarks += marks;
        }
    }
}
```

```
}
```

```
double averagePercentage = (double) totalMarks / numSubjects;
```

```
System.out.println("\nTotal Marks: " + totalMarks);
```

```
System.out.printf("Average Percentage: %.2f%%\n", averagePercentage);
```

```
// Determine grade based on average percentage
```

```
char grade;
```

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

```
    grade = 'A';
```

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

```
    grade = 'B';
```

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

```
    grade = 'C';
```

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

```
    grade = 'D';
```

```
} else {
```

```
    grade = 'F';
```

```
}
```

```
System.out.println("Grade: " + grade);
```

```
scanner.close();
```

```
}
```

```
}
```

OUTPUT:

Enter the number of subjects: 5

Enter marks obtained in subject 1: 89

Enter marks obtained in subject 2: 95

Enter marks obtained in subject 3: 98

Enter marks obtained in subject 4: 75

Enter marks obtained in subject 5: 82

Total Marks: 439

Average Percentage: 87.80%

Grade: B

=== Code Execution Successful ===