Write a program to enter the marks of a student in four subjects. Then calculate the total and aggregate, display the grade obtained by the student. If the student scores an aggregate greater than 75%, then the grade is Distinction. If aggregate is 60>= and <75, then the grade is First Division. If aggregate is 50 >= and <60, then the grade is Second Division. If aggregate is 40>= and <50, then the grade is Third Division. Else the grade is Fail.

CODE:

import java.util.Scanner;

public class StudentGradeCalculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input marks for four subjects

System.out.println("Enter marks for four subjects:");

System.out.print("Subject 1: ");

int subject1 = scanner.nextInt();

System.out.print("Subject 2: ");

int subject2 = scanner.nextInt();

System.out.print("Subject 3: ");

int subject3 = scanner.nextInt();

System.out.print("Subject 4: ");

int subject4 = scanner.nextInt();

// Calculate total marks

int totalMarks = subject1 + subject2 + subject3 + subject4;

// Calculate aggregate

double aggregate = totalMarks / 4.0;

// Determine grade

String grade;

if (aggregate > 75) {

grade = "Distinction";

} else if (aggregate >= 60 && aggregate < 75) {

grade = "First Division";

} else if (aggregate >= 50 && aggregate < 60) {

grade = "Second Division";

} else if (aggregate >= 40 && aggregate < 50) {

grade = "Third Division";

} else {

grade = "Fail";

}

// Output total marks, aggregate, and grade

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

System.out.println("Aggregate: " + aggregate);

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

}

}

OUTPUT:

C:\javap>javac StudentGradeCalculator.java

C:\javap>java StudentGradeCalculator

Enter marks for four subjects:

Subject 1: 89

Subject 2: 45

Subject 3: 10

Subject 4: 76

Total marks: 220

Aggregate: 55.0

Grade: Second Division

