Q4. Write a program to calculate the grade of a student. There are five subjects. Marks in each subject are entered from keyboard. Assign grade based on the following rule:

public class studentGrade {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int totalMarks = 0;

// Input marks for 5 subjects

for (int i = 1; i <= 5; i++) {

System.out.print("Enter marks for subject " + i + ": ");

int marks = scanner.nextInt();

totalMarks += marks;

}

// Calculate average marks

int averageMarks = totalMarks / 5;

// Determine the grade based on the average marks

char grade;

if (averageMarks >= 90) {

grade = 'E' + 'x';

} else if (averageMarks >= 80) {

grade = 'A';

} else if (averageMarks >= 70) {

grade = 'B';

} else if (averageMarks >= 60) {

grade = 'C';

} else {

grade = 'F';

}

System.out.println("Total Marks: " + totalMarks);

System.out.println("Average Marks: " + averageMarks);

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

}

}