```java
import java.util.Scanner;
public class StudentCGPA {
public static void main(String[] args){
    Scanner sc= new Scanner(System.in);

System.out.print("Enter student ID: ");
String studentID= sc.nextLine();

System.out.print("Enter number of courses: ");
int numCourses= sc.nextInt();

double totalCredit = 0;
double earnedCredit = 0;
double weightGDP = 0;

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

    System.out.print("Course"+i+": ");

System.out.print("Credit (max 3): ");
double credit = sc.nextDouble();
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System.out.print("CT (out of 30): ");
double ct = sc.nextDouble();

System.out.print("AT (out of 10): ");
double at = sc.nextDouble();

System.out.print("FE (out of 60): ");
double fe = sc.nextDouble();

double total marks = ct + at + fe;
double gp = 0.0;
if (totalMarks >= 80) gp = 4.0;
else if (totalMarks >= 75) gp = 3.75;
else if (totalMarks >= 70) gp = 3.5;
else if (totalMarks >= 65) gp = 3.25;
else if (totalMarks >= 60) gp = 3.0;
else if (totalMarks >= 55) gp = 2.75;
else if (totalMarks >= 50) gp = 2.5;
else if (totalMarks >= 45) gp = 2.25;
else if (totalMarks >= 40) gp = 2.0;
```

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else gp = 0.0;
totalCredit += credit;
  if (gp > 0) earnedCredit += credit:
    weightGP += (gp * credit);
  }
double cgpa = weightedGP / totalCredit;

String grade;
if ( cgPA >/ 4.00) grade = "A+";
else if ( cgPA >/ 3.75) grade = "A";
else if ( cgPA >/ 3.5) grade = "A-";
else if ( cgPA >/ 3.25) grade = "B+";
else if ( cgPA >/ 3.00) grade = "B";
else if ( cgPA >/ 2.75) grade = "B-";
else if ( cgPA >/ 2.5) grade = "C+";
else if ( cgPA >/ 2.25) grade = "C";
else if ( cgPA >/ 2.00) grade = "D";
```

```java
else grade = "F";

System.out.println("\n-----");
System.out.println("Student ID: " + studentID);
System.out.println("Credit Taken: " + totalCredit);
System.out.println("Credit earned: " + earnedCredit);
System.out.println("CGPA: %.2f\n", cgpa);
System.out.println("CGPA Grade :" + grade);
sc.close();
}
}
```