```java
import java.util.Scanner;
public class StudentCGPACalculator {
    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 ();

        int totalCreditTaken = 0;
        int totalCreditEarned = 0;
        double totalGradePoints = 0;

        for (int i=1; i<=numCourses; i++){
            System.out.println ("Course " +i+ ":");
            System.out.print (" Credit (Max 3): ");
            int credit = sc.nextInt ();

            System.out.print (" AT (Max 30): ");
            int at = sc.nextInt ();
            System.out.print (" FE (Max 60); ");
            int fe = sc.nextInt ();
```

```java
System.out.print ("ME (Max 10): ");
int me = sc.nextInt();

int totalMarks = at + fe + me;
double gradePoint = 0;

if (totalMarks >= 90) gradePoint = 4.0;
else if (totalMarks >= 85) gradePoint = 3.75;
else if (totalMarks >= 80) gradePoint = 3.5;
else if (totalMarks >= 75) gradePoint = 3.25;
else if (totalMarks >= 70) gradePoint = 3.00;
else if (totalMarks >= 65) gradePoint = 2.75;
else if (totalMarks >= 60) gradePoint = 2.5;
else if (totalMarks >= 50) gradePoint = 2.0;
else gradePoint = 0.0;

totalCreditTaken += credit;
if (gradePoint > 0.0) {

   totalCreditEarned += credit;
   totalGradePoints += gradePoint * credit;
   }

}

double cgPA = totalGradePoints / totalCreditTaken;
String grade;
```

```java
if (cgpa >= 3.75) grade = "A+";
else if (cgPA >= 3.5) grade = "A";
else if (cgPA >= 3.25) grade = "A-");
else if (cgpa >= 3.0) grade = "B+";
else if (cgpa >= 2.75) grade = "B");
else if (cgpa >= 2.5) grade = "B-");
else if (cgpa >= 2.0) grade = "c");
else grade = "F";

System.out.println("\nStudent ID: " + studentID);
System.out.println("Credit Taken: " + totalCreditTaken);
System.out.println("Credit Earned: " + totalCredit.
                                        Earned);
System.out.printf("CGPA: %.2f\n", cgpa);
System.out.println("Grade: " + grade);
  }
}
```