STUDENT GRADE CALCULATOR

```java
import java.util.Scanner;

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


        //enter total number of subject to calculate their marks
        int numSubjects=scan.nextInt();


        int totalMarks=0;
        for(int i=1;i<=numSubjects;i++){
            System.out.println("enter marks for subject" +i+"(out of 100):");
            int marks=scan.nextInt();
            //input validation
            while(marks<0||marks>100){
                System.out.println("invalid marks. please enter marks between 0 & 100.");
                System.out.println("enter marks for subject " + i + "out of 100");
                marks=scan.nextInt();
            }
             totalMarks+=marks;
    }

    System.out.println("student result: ");
    System.out.println("total marks obtained in all subjects:" + totalMarks);


    //calculate average ercentage: divide the total marks by total number
    //of subjects to get the average percentage


    int averagePercentage=totalMarks/numSubjects;
    System.out.println("average percentage: "+averagePercentage);
```

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

            System.out.println("your grade:A+");

        }
        else if(averagePercentage>=80){

            System.out.println("your grade is:B+");

        }
        else if(averagePercentage>=70){

            System.out.println("your grade is:B+");

        }
        else if(averagePercentage>=60){

            System.out.println("your grade is:C+");

        }
        else if(averagePercentage>=50){

            System.out.println("your grade is:C");

        }
        else if(averagePercentage>=40){

            System.out.println("your grade is:D+");

        }
        else if(averagePercentage>=30){

            System.out.println("your grade is:D");

        }
        else{

            System.out.println("your grade is:E");

        }


        scan.close();


    }
    }
```