

```

package mypack;
import java.util.Scanner;
public class GradeCalculator {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of
subjects:");
        int numSubjects = sc.nextInt();

        if(numSubjects <=0)
        {
            System.out.println("Please enter a
valid number of the subjects.");
            return;

        }
        int totalMarks =0;
        int maxMarksPerSubjects = 100;

        for(int i = 1; i <= numSubjects;i++ ) {
            System.out.println("Enter marks
obtained in subject"+i+"(out of 100):");
            int marks = sc.nextInt();

            if(marks < 0 || marks >
maxMarksPerSubjects) {
                System.out.println("Marks
should be in the range of 0 to 100. Please
enter valid marks.");
                i--;
            }
            else {
                totalMarks += marks;
            }
        }
        double averagePercentage = (double)
totalMarks / (numSubjects *
maxMarksPerSubjects)*100;
    }
}

```

```
        System.out.println("Total  
Marks:"+totalMarks);  
        System.out.println("Average  
Percentage:"+averagePercentage +"%");  
  
        String grade;  
  
        if (averagePercentage >=90) {  
            grade = "A+";  
        }  
        else if (averagePercentage >=80) {  
            grade = "A";  
        }  
        else if (averagePercentage >= 70) {  
            grade = "B";  
        }  
        else if (averagePercentage >=60) {  
            grade = "C";  
        }  
        else if (averagePercentage >= 50) {  
            grade = "D";  
        }  
        else{  
            grade = "F";  
        }  
        System.out.println("Grade:"+grade);  
    }  
}
```

<terminated> GradeCalculator [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (24-Feb-2024, 1:40:09 pm -

Enter the number of subjects:

5

Enter marks obtained in subject1(out of 100):

67

Enter marks obtained in subject2(out of 100):

75

Enter marks obtained in subject3(out of 100):

83

Enter marks obtained in subject4(out of 100):

92

Enter marks obtained in subject5(out of 100):

80

Total Marks:397

Average Percentage:79.4%

Grade:B