

## Nested for Loops activity

Create a project **nestedForLoopsActivity**.

Create a class **TestAverage** that averages the test scores for each student.

- Ask how many students there are
- Ask how many test scores there are per student
- For each student
  - ask for each test score
  - calculate the average test score
  - print the average test score

*Example output:*

```
Enter number of students
3
Enter number of tests per students
3

Student number 1
-----
Enter score 1: 100
Enter score 2: 95
Enter score 3: 90
The average for student 1 is 95.00

Student number 2
-----
Enter score 1: 80
Enter score 2: 81
Enter score 3: 82
The average for student 2 is 81.00

Student number 3
-----
Enter score 1: 75
Enter score 2: 85
Enter score 3: 80
The average for student 3 is 80.00
```

Submit **TestAverage.java** file

### \*\*\*OPTIONAL PRACTICE EXERCISE

Create a class **AverageRainfall** that calculates the monthly average rainfall over a number of years.

- Ask for the number of years
- For each year
  - For each month
    - ask for inches of rainfall
- Calculate the average rainfall per month for the period
- Print
  - Number of months
  - Total inches of rainfall for the period of years
  - Average rainfall per month for the period

*Example output:*

```
Enter number of years
2
Enter inches of rainfall for year 1 month 1
5
Enter inches of rainfall for year 1 month 2
6
Enter inches of rainfall for year 1 month 3
7
Enter inches of rainfall for year 1 month 4
```

...

...

...

```
Number of months: 24
Total inches of rainfall: 144
Average rainfall per month for 2 years: 6.00
```