

JavaScript Loops Part 1 Activity

You are given an array of objects representing students and their scores in different subjects. Each object has the following format:

```
const students = [  
  { name: 'Alice', scores: { math: 90, science: 85, history: 88 } },  
  { name: 'Bob', scores: { math: 82, science: 95, history: 91 } },  
  { name: 'Charlie', scores: { math: 78, science: 87, history: 80 } }  
];
```

Write a function **calculateAverage(scores)** that takes in the scores object of a student and calculates the average score across all subjects. Then, using a **for...of** loop, iterate over the students' array and display each student's name along with their average score rounded to the nearest integer.

Example output:

```
Alice - 88  
Bob - 89  
Charlie - 82
```

Save this challenge as **les4-jsloops-act1.html**

Additional Challenge:

Modify the function **calculateAverage(scores)** to also calculate and return the student's overall grade based on the following criteria:

- A grade of 90 or above: 'A'
- A grade of 80 to 89: 'B'
- A grade below 80: 'C'

Update the display statement to include the student's grade as well.

Example output:

```
Alice - 88 (B)  
Bob - 89 (B)  
Charlie - 82 (B)
```

Save this challenge as **les4-jsloops-act2.html**