

Esker Developer

Test

Coding exercises

2025

EVALUATION CRITERIA

The following criteria will be considered when evaluating the work done:

1. Code readability
2. Logic applied
3. Output results
4. Communication

The candidate must use JavaScript (NodeJS, vanilla JS, etc..) to complete the exercise.

If there are any clarifications needed, please contact Kenzo Hosomi <kenzo.hosomi.rk@fujifilm.com>

Exercise 1

In this exercise, you will be provided with 2 attached files.

1. Sample1-PO5500000150_20230518184727_0000000000087110.xml
2. Sample1-expected_results.json

The objective is to extract the data from the xml file and format it into a JSON output.

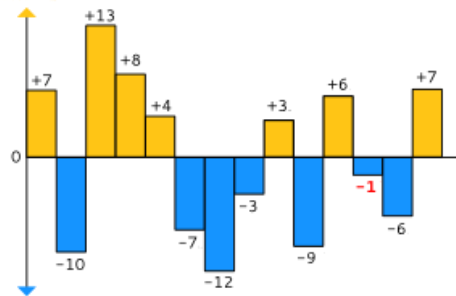
Some additional logic would be applied to the extracted data to satisfy the requirement.

Additional logic

1. Remove leading zeros on the following fields:
 - a. VendorNumber__
 - b. DocNumber__
 - c. Material__
2. Add any types of verification that you feel suited to improve the resilience of your code and the customer experience.

Exercise 2

In this exercise, you have to analyse records of temperature to find the closest to zero.



Rules

Write a program that prints the temperature closest to 0 among input data. **If two numbers are equally close to zero, positive integer must be considered closest to zero** (for instance, if the temperatures are -5 and 5, then display 5).

Your program must read the data from the standard input and write the result on the standard output.

Input

Line 1: N, the number of temperatures to analyse.

Line 2: A string with the N temperatures expressed as integers ranging from -273 to 5526

Output

Display 0 (zero) if no temperatures are provided. Otherwise, display the temperature closest to 0.

Example

Input

```
5
1 -2 -8 4 5
```

Output

```
1
```