Coding Challenge I

Write a program that validates IDs created by a company with employees information. Company ACME creates IDs for their employees with the following criteria. For employee `Gabriela Hearst` the ID is: `HEGA20210146-6`

The ID is composed the following way:

- **HE**: First two letters of the employee last name
- **GA**: First two letters of the employee first name
- **2021**: Year the employee joined the company
- **01**: Month the employee joined the company January.
- **46**: Marks is the 46th employee that joined the company on January.
- **-**: Separator
- **6**: Verification digit

Verification Digit

To obtain the verification digit:

- Take the numeric part of the ID without the verification digit
- Sum all the numbers: `S`
- Sum all the numbers in an odd position: `O`
- Sum all the numbers in an even position: `E`
- Multiply the sum of numbers in odd position by `O x 2`.
- Multiply the sum of numnbers in even position by `E x 3`.
- Sum all the by products: `(O x 2) + (E * 3) + S` = `X`
- Divide `X` by `10` and get the remainder: `V`
- V is the Verification digit

Instructions

- Write a program/function that accepts an employees first name, last name and ID and checks if it is valid.
- Your program should output: `OK` or `NOT VALID` if there are issues with the ID.

Scenarios

1

First Name: Marlon **Last Name**: Brandon **ID**: BRMA20191224-9

OUTPUT: OK

2

First Name: Jane **Last Name**: Sunderland **ID**: SUJA202132189-1

OUTPUT: NOT VALID

3

First Name: John **Last Name**: Cambell **ID**: CAJO2022091459-2

OUTPUT: OK

4

First Name: Margaret **Last Name**: Tatcher **ID**: MATA2022091459-2

OUTPUT: NOT VALID

5

First Name: Sigmund **Last Name**: Freud **ID**: FRSI2022091459-8

OUTPUT: NOT VALID