

# Evaluation and Summary

## How the code work

The program operates in a user-friendly manner by prompting the user to input a number initially. If a different number is entered, it displays a message and terminates the program.

Upon entering '1', the code proceeds to:

1- Prompt the user to input the deposit amount, providing three chances to do so. If all chances are exhausted without a valid input, a message is displayed, and the program exits.

2- Display an instruction message for users to input the interest rate, giving them three chances to do so. If all chances are exhausted without a valid input, a message is displayed, and the program exits.

3- Provide an instruction message for users to input the interest period, offering three chances to do so. If all chances are exhausted without a valid input, a message is displayed, and the program exits.

Afterwards, a message is displayed to inform the user about the plan, detailing deposit amounts, interest rates, and interest period in a user-friendly manner.

Next, the program calculates the deposit amount for the user, iterating through a loop to add interest each year based on the interest period. It then divides the total amount by the number of years.

Finally, the program displays the interest for the last year in a user-friendly format, rounded to two decimal places, along with the interest rate and interest period.

## Improvement and evaluation

**Use functions in code :** The evidence code contains similar loops for the deposit amount, interest rate, and interest period; it used to have fewer lines and be easier to read.

**User interface (technical background):** I haven't figured it out yet, but if it is added to the program, it will facilitate user interaction and elevate the program to a professional level.

**Specific user friendly message :** The message must be informative for the user; for example, instead of displaying an undefined value, write out the range and specify it.

**Increase flexibility :** Once the user has entered the inputs, the program provides them with the option to either modify the inputs or proceed with the current ones.