Work on project. Stage 1/5: Data collection
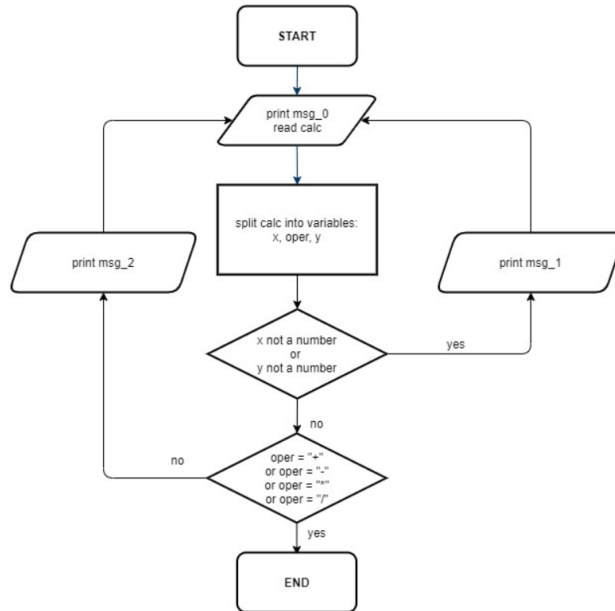
Project: Honest Calculator

Data collection

📶 Hard   🕐 25 minutes   ❓   **1845** users solved this stage. Latest completion was **3 minutes ago.**

§1. Description

We will start by implementing the flowchart below. Copy the messages carefully and assign them to the program variables. It makes no difference whether you make a list or each message is a separate variable. The appropriate messages must be displayed according to the flowchart.

34 / 34 Prerequisites

- ✓ Introduction to Python 🔑 ▾
- ✓ Overview of the basic program 🔑 ▾
- ✓ Multi-line programs 🔑 ▾
- ✓ PEP 8 🔑 ▾
- ✓ Comments 🔑 ▾

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§2. Objectives

Implement the flowchart above. Please, follow our recommendations:

- The variable `calc` should have the following format: `x operation y`. For example: `2 + 3`, `2 + g` or `3.1 r 5`;
- The variables `x` and `y` must be of the `float` or `int` type. The `oper` variable is a one-character string. Check whether the passed values have proper types. The delimiter must be a dot;
- Copy the messages below carefully. The tests will check if the correct message appears in the correct order. Please, do not add extra lines or characters.

```
1  msg_0 = "Enter an equation"
2
3  msg_1 = "Do you even know what numbers are? Stay focused!"
4
5  msg_2 = "Yes ... an interesting math operation. You've slept through all classes, haven't you?"
```

§3. Example

The greater-than symbol followed by a space (`>`) represents the user input. Note that it's not part of the input.

Example 1:

```
Enter an equation
> 2 + m
Do you even know what numbers are? Stay focused!
Enter an equation
> 3 n 3
Yes ... an interesting math operation. You've slept through all classes, haven't you?
Enter an equation
> m - 2
Do you even know what the numbers are? Stay focused!
Enter an equation
> 4.7 * 5.2
```
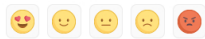
📝 Report a typo

⚡ See hint

↳ Write a program

Code Editor   IDE 💎 + 100

```
1    # write your code here
2    msg_0 = "Enter an equation"
3
4    msg_1 = "Do you even know what numbers are? Stay focused!"
5
6    msg_2 = "Yes ... an interesting math operation. You've slept through all classes, haven't you?"
7
8
9    def dosomething(x,y,oper):
10       try:
11           x=float(x)
12           y=float(y)
13       except ValueError:
14           print(msg_1)
15           return False
16       if oper not in ['+','-','*','/']:
17           print(msg_2)
18           return False
19       else: return True
20
21   while True:
22
23       print(msg_0)
24       calc=input().split(" ")
25       # print(calc,type(calc))
26       x,oper,y=calc[0],calc[1],calc[2]
27       if dosomething(x,y,oper):
28           break
29
30
31
```

✓ Correct.

Great job!

140 users liked this problem. 19 didn't like it. **What about you?**

😍 🙂 😐 🙁 😡

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