Work on project. Stage 2/5: First calculations

Project: Honest Calculator

First calculations

Medium 9 minutes 1878 users solved this stage. Latest completion was **about 5 hours ago**.

§1. Description

In this stage, we will continue with the flowchart. Note that the blocks from the previous stage are in red. Be careful; some flows can work differently.

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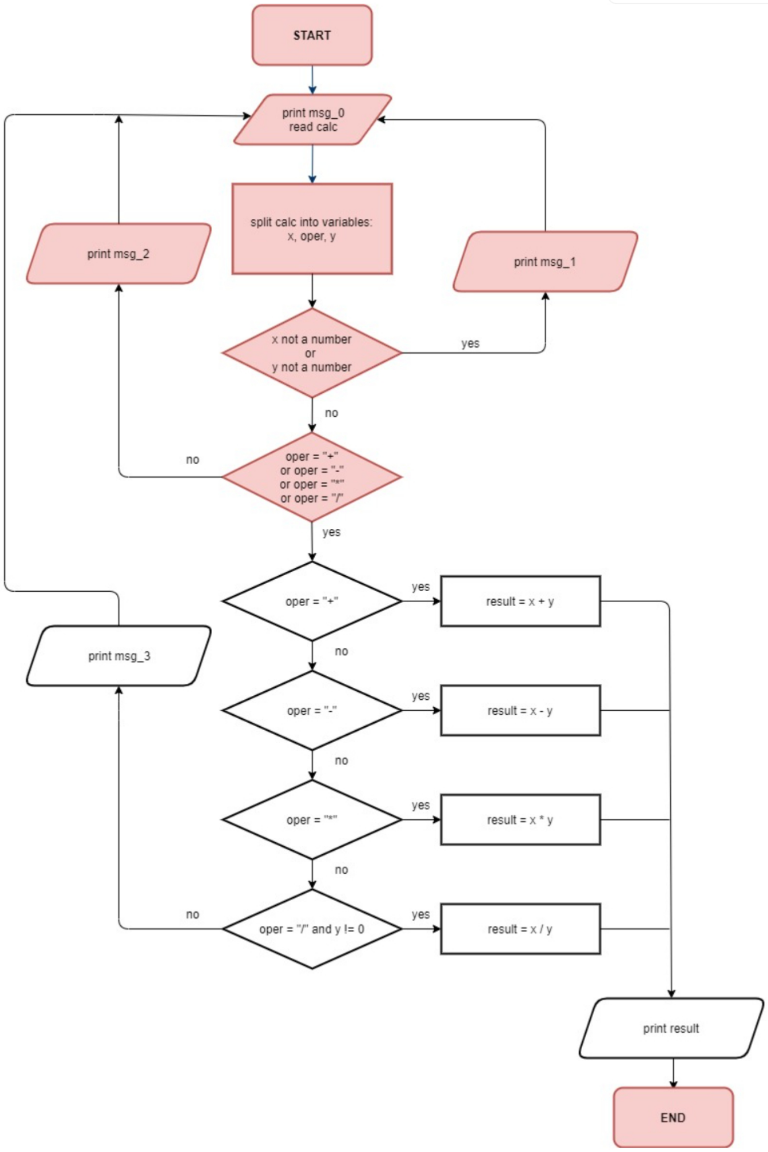
Code snippets



§2. Objectives

Implement the flowchart above. While doing it, please, follow our recommendations:

- Don't use the built-in functions to calculate from a string;
- The `result` variable must be of the `float` type;
- Copy the message. The tests will check if the correct message appears in the correct order. So don't add extra lines or characters: `msg_3 = "Yeah... division by zero. Smart move..."`

§3. Examples

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
> 4 / 0
Yeah... division by zero. Smart move...
Enter an equation
> 4 * 5.2
20.8
```

Example 2:

```
Enter an equation
> 411 - 211
200.0
```

Report a typo

See hint

Write a program

Code Editor   IDE 💎 + 100

```python
# write your code here
msg_0 = "Enter an equation"

msg_1 = "Do you even know what numbers are? Stay focused!"

msg_2 = "Yes ... an interesting math operation. You've slept through all classes, haven't you?"

msg_3='Yeah... division by zero. Smart move...'
def dosomething(x,y,oper):
        try:
            x=float(x)
            y=float(y)
        except ValueError:
            print(msg_1)
            return False
        if oper not in ['+','-','*','/']:
            print(msg_2)
            return False
        else:
            if oper=='+':
                print(x+y)
            elif oper=='-':
                print(x-y)
            elif oper=='*':
                print(x*y)
            elif oper=='/':
                try:
                    print(x/y)
                except ZeroDivisionError:
                    print(msg_3)
                    return False

            return True

while True:

        print(msg_0)
        calc=input().split(" ")
        # print(calc,type(calc))
        x,oper,y=calc[0],calc[1],calc[2]
        if dosomething(x,y,oper):
            break



```

✓ Correct.

It was a tricky task, but you nailed it!

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😍 🙂 😐 🙁 😡

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