

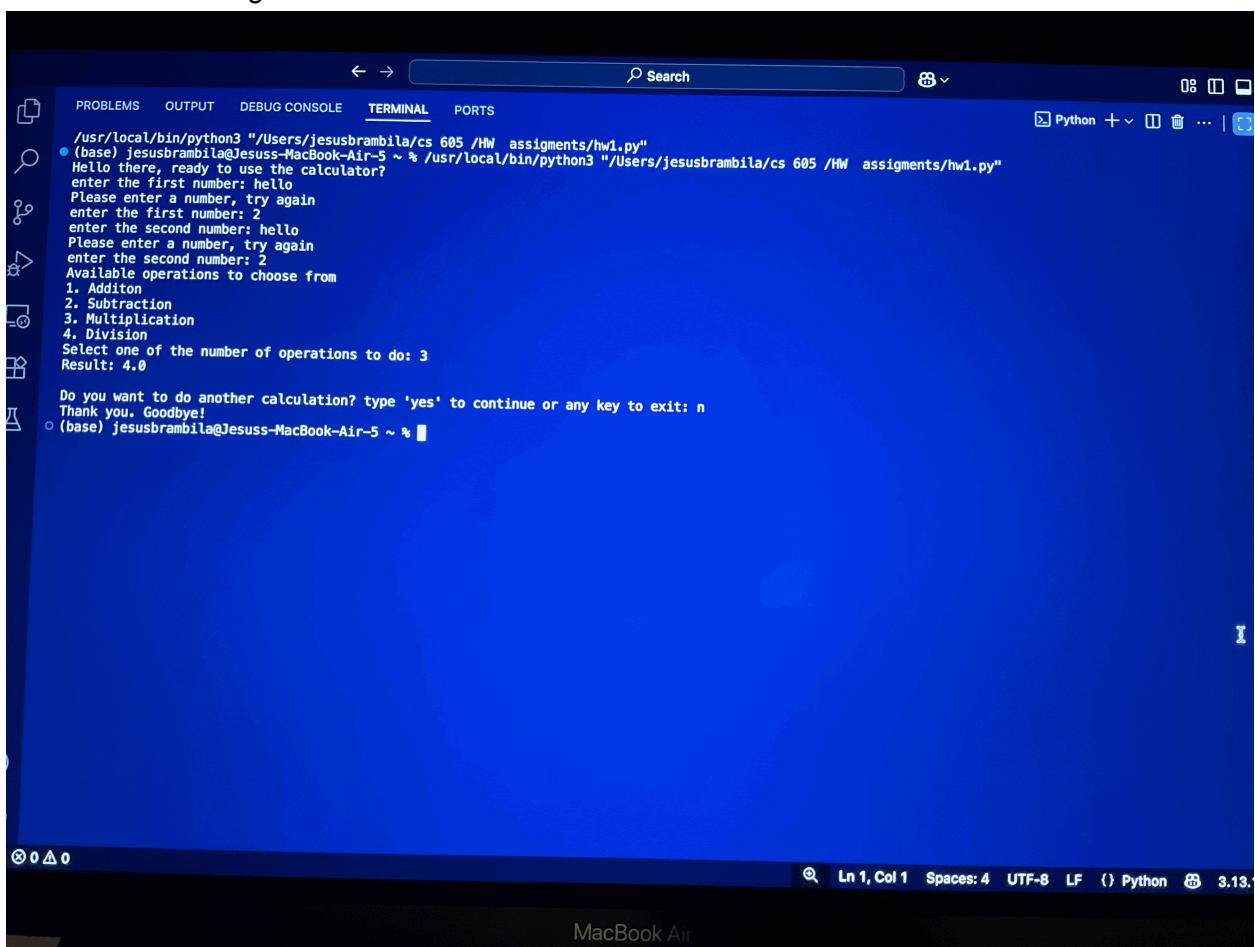
Here I perform the operation to see that the arithmetic works and the output is fine

```
Code File Edit Selection View Go Run Terminal Window Help
hw1.py
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python + × ◻
/usr/local/bin/python3 "/Users/jesusbrambila/cs 605 /HW assignments/hw1.py"
(base) jesusbrambila@Jesus-MacBook-Air-5 ~ % /usr/local/bin/python3 "/Users/jesusbrambila/cs 605 /HW assignments/hw1.py"
Hello there, ready to use the calculator?
enter the first number: 2
enter the second number: 2
Available operations to choose from
1. Addition
2. Subtraction
3. Multiplication
4. Division
Select one of the number of operations to do: 1
Result: 4.0

Do you want to do another calculation? type 'yes' to continue or any key to exit: yes
enter the first number: 2
enter the second number: 2
Available operations to choose from
1. Addition
2. Subtraction
3. Multiplication
4. Division
Select one of the number of operations to do: 2
Result: 0.0

Do you want to do another calculation? type 'yes' to continue or any key to exit: no
Thank you. Goodbye!
(base) jesusbrambila@Jesus-MacBook-Air-5 ~ %
0 △ 0
Ln 1, Col 1  Spaces: 4  UTF-8  LF  () Python  ⌂
```

Here I test if a string is valid which is not



The screenshot shows a Mac OS X desktop environment with a terminal window open. The terminal window has a dark blue background and a light blue header bar. The header bar includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is selected), and PORTS. There is also a search bar and some system status icons.

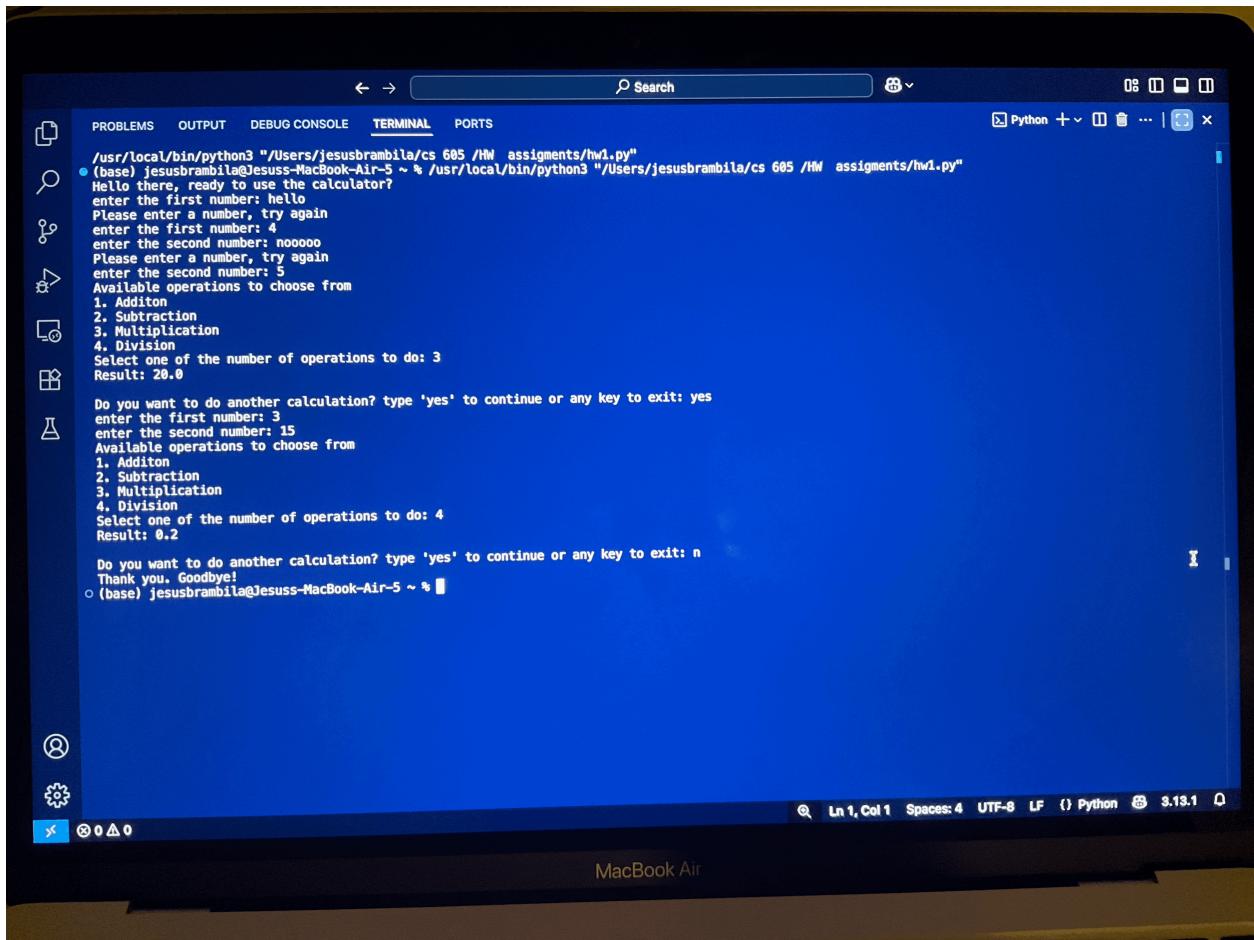
The terminal window displays the following text:

```
/usr/local/bin/python3 "/Users/jesusbrambila/cs 605 /HW assigments/hw1.py"
(base) jesusbrambila@Jesus-MacBook-Air-5 ~ % /usr/local/bin/python3 "/Users/jesusbrambila/cs 605 /HW assigments/hw1.py"
Hello there, ready to use the calculator?
enter the first number: hello
Please enter a number, try again
enter the first number: 2
enter the second number: hello
Please enter a number, try again
enter the second number: 2
Available operations to choose from
1. Addition
2. Subtraction
3. Multiplication
4. Division
Select one of the number of operations to do: 3
Result: 4.0

Do you want to do another calculation? type 'yes' to continue or any key to exit: n
Thank you. Goodbye!
(base) jesusbrambila@Jesus-MacBook-Air-5 ~ %
```

The bottom of the terminal window shows some status information: Ln 1, Col 1, Spaces: 4, UTF-8, LF, Python, 3.13. The word "MacBook Air" is visible at the bottom center of the screen.

Lastly just making sure the loop works and the operations too



The screenshot shows a terminal window within the PyCharm IDE. The terminal tab is selected at the top. The code being run is a Python script named hw1.py, which prompts the user for two numbers and an operation, then performs the calculation and asks if they want to do another calculation. The output shows the script running three times, with the user input and the program's response each time.

```
/usr/local/bin/python3 "/Users/jesusbambila/cs 605 /HW assigments/hw1.py"
(base) jesusbambila@Jesus-MacBook-Air-5 ~ % /usr/local/bin/python3 "/Users/jesusbambila/cs 605 /HW assigments/hw1.py"
Hello there, ready to use the calculator?
enter the first number: hello
Please enter a number, try again
enter the first number: 4
enter the second number: nooooo
Please enter a number, try again
enter the second number: 5
Available operations to choose from
1. Addition
2. Subtraction
3. Multiplication
4. Division
Select one of the number of operations to do: 3
Result: 20.0

Do you want to do another calculation? type 'yes' to continue or any key to exit: yes
enter the first number: 3
enter the second number: 15
Available operations to choose from
1. Addition
2. Subtraction
3. Multiplication
4. Division
Select one of the number of operations to do: 4
Result: 0.2

Do you want to do another calculation? type 'yes' to continue or any key to exit: n
Thank you. Goodbye!
(base) jesusbambila@Jesus-MacBook-Air-5 ~ %
```