Part 1: LEARN FROM YOUR MISTAKES!

a. If you are trying to print you name, what happens if you leave out one of the quotation marks or both, and why?

In the case of leave out one of the quotation, Python throws an SystaxError message. In the case of leaving out both, Python understands the input as a variable. Because this possible variable is not declared, Python throws a NameError message.

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File Edit Shell Debug Options Window Help

Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit ( AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>> print("Henrique)

...

SyntaxError: unterminated string literal (detected at line 1)

print(Henrique)

...

SyntaxError: unterminated string literal (detected at line 1)

print(Henrique)

...

Traceback (most recent call last):
   File "<pyshell#2>", line 1, in <module>
        print(Henrique)

NameError: name 'Henrique' is not defined

>>>
```

- b. What is the difference between * and ** operators in Python? Explain with the help of an example.
 - * operator is responsible for multiplications, and ** operator is responsible for exponentiation.

c. In Python, is it possible to display an integer like 09? Justify your answer.

No, because it has a leading zero. If you need to display the value "09" you should pass it as a string.

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>>> print(09)
SyntaxError: leading zeros in decimal integer literals are not permitted; use an Operfix for octal integers
print("%02d" % (9))
09
>>>
```

d. Run the commands type('67') and type(67). What is the difference in the output and why?

type('67') shows that the input is a string and type(67) show that the input is an integer. That happens because, although both are numbers, '67' is interpreted by Python as an array of characters, and 67 as a number.