## **Small Notes**

Fuesday, 11 January 2022 15:08

| Λ.  | The | Difference | Between | Brackets | Braces, | and | Paren theses |
|---|-----|------------|---------|----------|---------|-----|--------------|
| 1. The Difference Between Brackets, Braces, and Parentheses |     |            |         |          |         |     |              |

- () Parentheses
- [] Brackets
- 13 Braces

## 2. Introducing Python

- t) No end-of-instruction operators
- +) Comments start with a # character
- +) Whitespace matters

prompt >>> : where we type in our expressions

Expressions: like 3+4

Values : 3,4

Operators: +,-,/ that combines their operands in different ways

Expressions don't have to involve an operator. A number itself is an
expression.

ex 212 is expression & value.

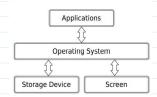
## 3. Overall Python commands

Temporarily disable ... code

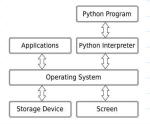
## · How does a Computer Run a Python Program?

The computer has operating system (Windows, Linux, mac OS) that is a special program. This is the only program that has access to the hardnare.

All other applications send request to the OS



Now, it's common to add a layer between us and the hardware. Writting a program on fython, Javo, ... doesn't run directly on top of OS. Instead, another program called interpreter (virtual mochine) takes program and run for you.



There are I ways to use Python interpreter.

4) One is to tell it to execute a Python program saved in a file with py

t) Another is to interact with it in a program called a shell, where you type statements one at a time. Interpreter will execute each statement.

shell that communicates with the Python interpreter also allows you to write and run programs that are saved in a file.