

PYTHON

RODRIGO ESTEFANO CORREA RODRIGUEZ

DEFINITION :

Python is a widely used programming language in web applications, software development, data science, and machine learning. Developers use Python because it is efficient and easy to learn, plus it can run on many different platforms.



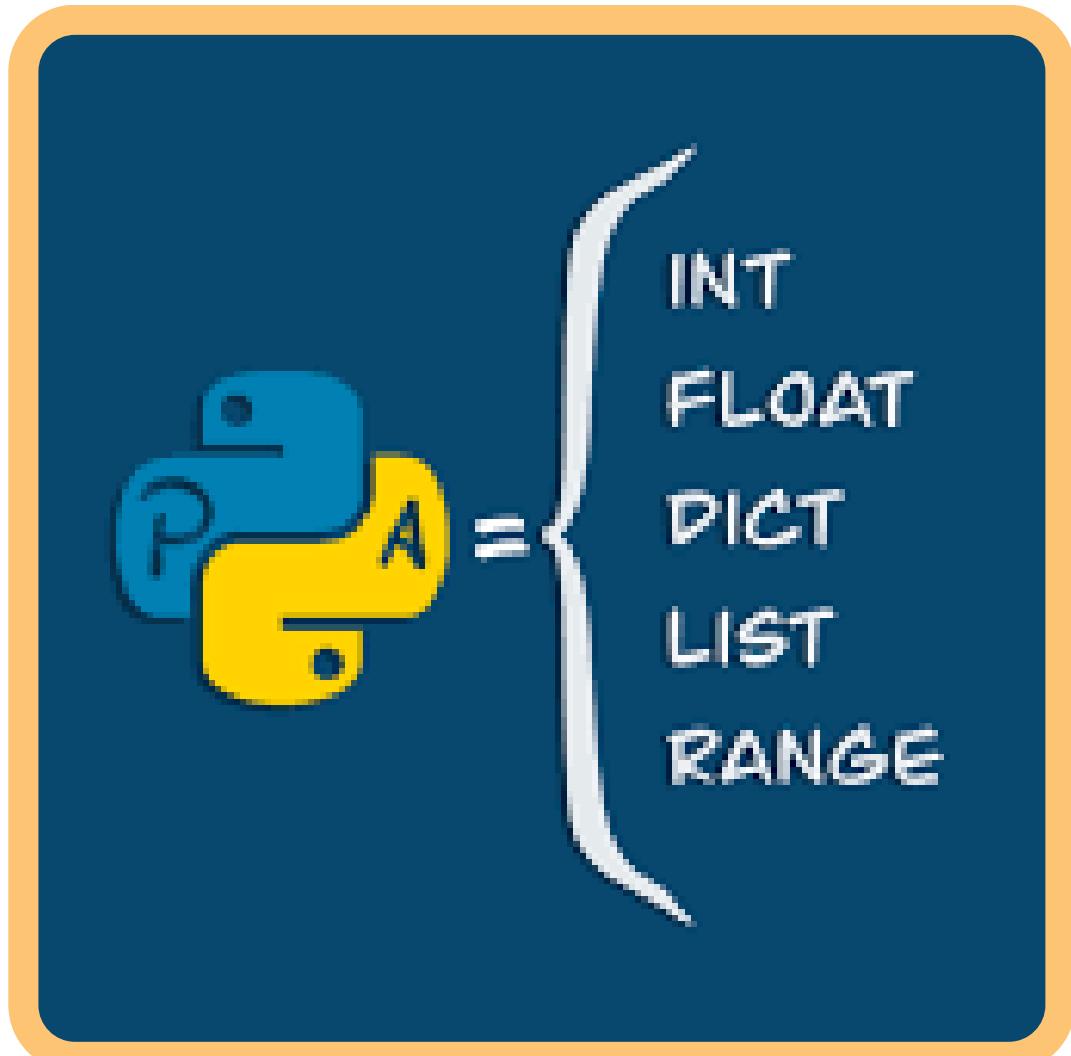
TYPES OF THINGS WE CAN STORE IN PYTHON:

In Python, list data types are represented using brackets '[]' containing elements separated by commas. Elements can be of any data type, including other objects like other lists. List data types are used to store and manipulate collections of data.

```
tutorial.py > ...
1 print ('Bienvenidos al tutorial de Listas en Python')
2
3
4
5 #LISTAS DE NUMEROS
6
7 numbers = [2,3,4,5]
8 print (numbers)
9 #tipo de numero
10 print (type(numbers))
11
12 #LISTAS DE TAREAS
13
14 tasks= ['make a wish', 'play piano']
15 print (tasks)
16
17 #LISTAS DE TIPOS DE DATOS
18 types= [1, True, 'hola']
19 print (types)

~/Python$ python tutorial.py
Bienvenidos al tutorial de Listas en Python
[2, 3, 4, 5]
<class 'list'>
['make a wish', 'play piano']
[1, True, 'hola']
~/Python$ []
```

TYPES OF VARIABLES



2.3.1. INTEGER (INT): IT'S LIKE A BOX FOR STORING WHOLE NUMBERS, LIKE 1, 2, 3.

2.3.2. FLOATING-POINT NUMBER (FLOAT): IT'S A BOX FOR STORING NUMBERS WITH DECIMALS, LIKE 1.5 OR 2.75.

2.3.3. STRING (STR): IT'S A BOX FOR STORING WORDS OR PHRASES, LIKE "HELLO" OR "THIAGO".

2.3.4. BOOLEAN (BOOL): IT'S A BOX THAT CAN ONLY STORE TWO THINGS: TRUE (TRUE) OR FALSE (FALSE).

FOR WHAT IS IMPORTANT ?

PYTHON IS AN APP IN WHICH WE CAN STORE INFORMATION, AND IT CAN ALSO BE USED TO CREATE SOFTWARE APPLICATIONS AND SOFTWARE DEVELOPMENT.