PYTHON DATA TYPES

- 1. Numbers
- 2. Booleans
- 3. Strings
- 4. Bytes
- 5. Lists
- 6. Arrays
- 7. Tuples
- 8. Sets
- 9. Dictionaries

PYTHON DATA TYPES: NUMBERS

- 1. can be real number
- 2. can be complex number
- 1. can be real number

```
In [8]: ▶ 1 print(120) # integar number

120

2. can be complex number
```

PYTHON DATA TYPES: Booleans

```
1. Ture = 1
2. False = 0
```

PYTHON DATA TYPES: BYTES

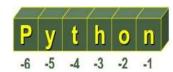
Differences between strings and bytes:

- 1. Byte object contains sequence of bytes while String contains sequence of characters.
- 2. Bytes can be read by machines while strings can be read by humans.
- 3. Bytes is stored directly on machines while strings needs to be encoded first.

PYTHON DATA TYPES: Strings

```
name1 = "sample string"
name2 = 'another sample string'
name3 = """a multiline
    string example"""
```





my name is Yahia

Quiz

→ What is the output of the followingcode?

```
my_string = "0123456789"
print(my_string[-2: -6: -2])
```

Solution is: 86

Variables

1. Variables can change type, simply by assigning them a new value of a different type

2. Python allows you to assign a single value to severalvariables simultaneously

3. You can also assign multiple objects to multiplevariables

4 3.2 hello