

Moringa School



# Python Basics

By William

# Python Basics

- **Data types**
- **Variables**
- **Expression**
- **String operations**

# Data types

# Data types

- Numbers
- Strings
- Boolean

# Numbers

**10**

**11.2**

**2 + 5j**

10 -----> integer

11.2 -----> Float

2 + 5j -----> Complex number

# Number type conversion

`int(5.32)` → 5



`float(11)` → 11.0

`complex(10)` → 10 + 0j



```
int(5.32)
```

```
float(11)
```

```
complex(10)
```

# String

"40"

'Hello'

"Hello"

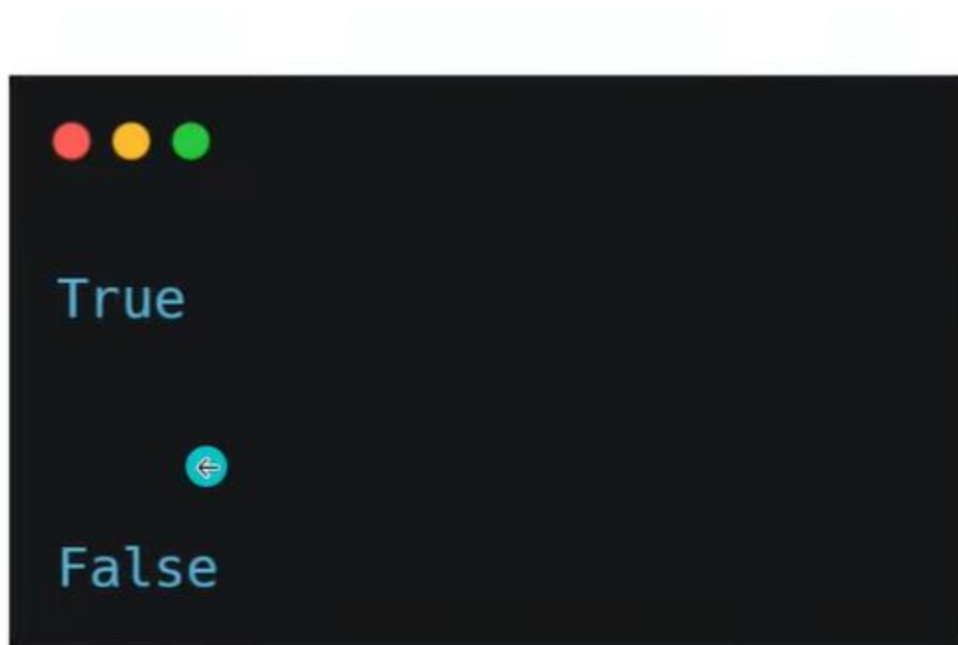


"40"

'Hello'

"Hello"

# Boolean





# Variables

# Variables



Variables are containers for  
storing data values

# variables



```
x = 5
```

```
y = "Hello"
```

```
z = True
```

- To create a variable, you simply need to assign a value to a name using the assignment operator (=)

# Rules for python variable



- variable names in Python have to start with a letter or an underscore
- They cannot start with a number
- They can't contain any special characters other than an underscore
- Variable names are case-sensitive (age, Age and AGE are three different variables)