Moringa School

Python Basics

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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)
```

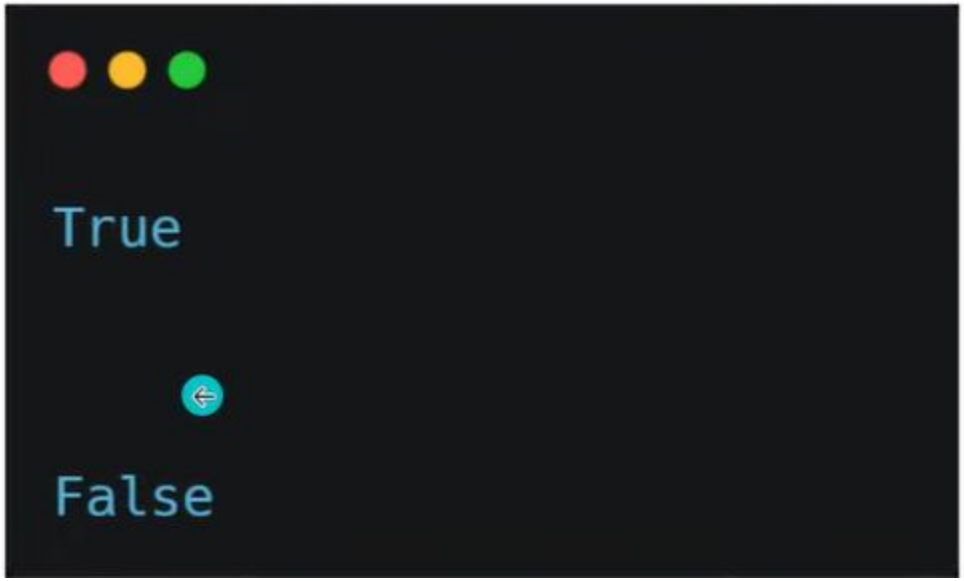
String

"40"

'Hello'

"Hello"

Boolean



Variables

Variables

Variables are containers for storing data values

variables

- 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)