

■ Python Basics Cheat Sheet

1. Variables = Boxes ■

Store information in a box with a name.

```
name = "Marijn"  
age = 12
```

2. Data Types ■

Different kinds of things you can store.

```
Number → 7, 3.14  
Text → "Hello"  
True/False → True, False  
List → ["apple", "banana", "cherry"]
```

3. Print = Talk ■

Make the computer say something.

```
print("Hello, world!")
```

4. If = Decision ■

Choose between paths.

```
age = 12  
if age < 13:  
    print("You are a kid!")  
elif age >= 13 and age <= 19:  
    print("You are a teen")  
else:  
    print("You are an adult!")
```

5. Loops = Repeat ■

Do something again and again.

```
for i in range(5):  
    print("I love pizza!")
```

```
number = 1  
while number <= 5:  
    print(number)  
    number += 1
```

6. Functions = Your Own Commands ■

Make your own reusable code.

```
def greet(name):  
    print("Hello, ", name, "!")  
  
greet("Alex")
```

7. Comments = Notes ■

Notes for humans, not computers.

```
# This is a note  
print("This line runs!")
```