

## Variables

```
name = 'Patrick'  
height = 182  
old = true
```

## Print, concatenation, comments

```
#This is a comment  
print("Hello world")  
print("Hello " + name)
```

## Conditions

```
a == b  
a != b  
a < b  
a > b  
a <= b  
a >= b  
a = true
```

```
if a > 0:  
    print("First case")  
elif b > 0:  
    print("Second case")  
else:  
    print("Default")
```

```
if a > 0 and b > 0:  
    print("And")  
elif a > 0 or b > 0:  
    print("Or")
```

## Loops

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

```
alphabet= ["a", "b", "c"]  
for letter in alphabet:  
    print(letter)
```

## Functions

```
def say_hello(name):  
    print("Hello " + name)  
  
say_hello("Patrick")
```

## Modules

```
import time  
from time import sleep
```

## Built-in functions

```
len(string)  
format(value, format)  
isinstance(object, type)  
str(object)  
int(value)  
range(min, max, step)
```

```
open(filename, mode)  
type(object)  
exec(code)  
float(value)  
min(value), max(value)  
round(value)
```