

Programming

Lesson5 - Conditions Cont.

الدرس الخامس - الشروط

Saeed Isa

Reminder - Lesson4

- ▶ Boolean: True/False
- ▶ If statement
 - ▶ if <condition>:
 - ▶ Do something
- ▶ Scopes
 - ▶ Region of instructions

Conditional operators

- ▶ >
- ▶ <
- ▶ >=
- ▶ <=
- ▶ ==

And & Or operators

- ▶ and operator → cond1 and cond2 → cond1 is True **AND** cond2 is True
- ▶ or operator → cond1 or cond2 → cond1 is True **OR** cond2 is True

Examples:

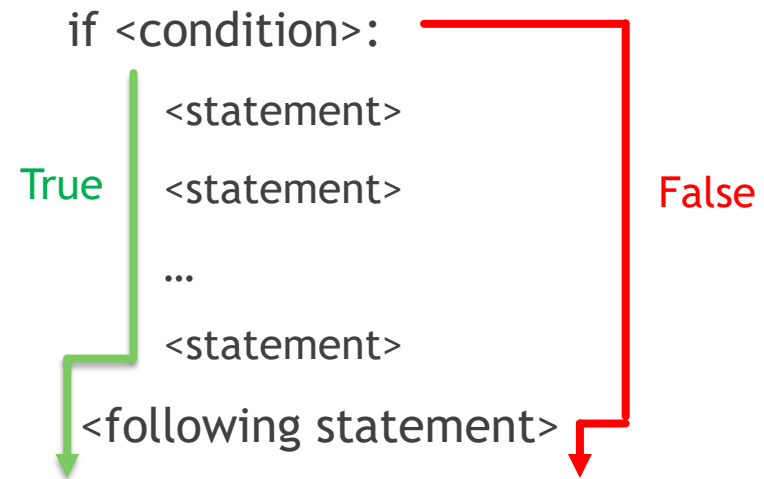
if age > 16 and age < 30:

```
print('age is between 16 and 30')
```

If age < 16 or age > 30:

```
print('age is <16 OR age > 30')
```

If statement



If, else statement

- ▶ if <condition>:
 - ▶ Do something
- ▶ else:
 - ▶ Do something else

```
if age > 16:  
    print('Your age is > 16')
```

} if scope

```
else:  
    print('Your age is <= 16')
```

} else scope

If, elif, else statement

- ▶ if <condition>:
 - ▶ Do something
- ▶ elif <condition>:
 - ▶ Do something else
- ▶ else:
 - ▶ Do something else2

```
if age > 16:  
    print('Your age is > 16')  
elif age == 16:  
    print('Your age is exactly 16')  
else:  
    print('Your age is < 16')
```

Let's try...😊

- ▶ Open PyCharm:
 - ▶ Create new file: conditions2.py
 - ▶ Start coding 😊

“

Thank you 😊!

”

Stay tuned for more!