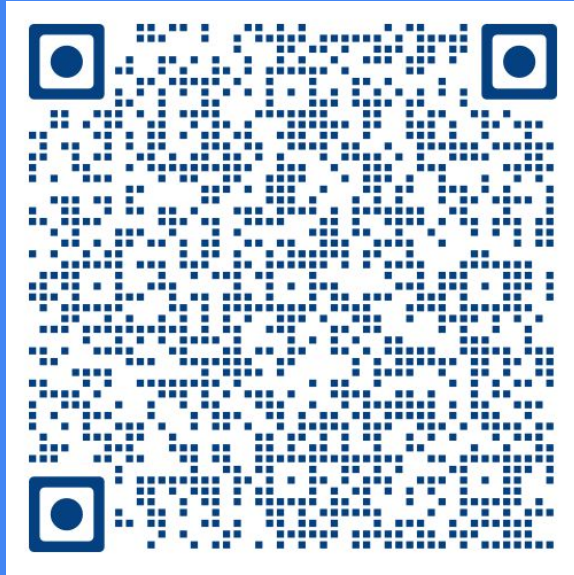


Python Course

Armin Mokhtari



Python Comparisons and Conditionals



[Download these slides](#)

Comparison in Python

Comparison Operations

a == b

a is equal to b

a < b

a is less than b

a > b

a is greater than b

a <= b

a is less than or equal to b

a >= b

a is greater than or equal to b

a != b

a is not equal to b

SOME EXAMPLES

Comparison Operations

- **1 means True and 0 means False**
- **Each comparison is a boolean in Python**
- **Arithmetic operators can be used alongside comparisons**
- **Except empty string, all strings will convert to the True**
- **= and == is not equal**

Assignment:

Define a function that returns True for even numbers and False for odd numbers.

Comparison Operations

a is b

a has a same identity with b

a is not b

a has a different identity with b

a in b

a is a member of b

a not in b

a is not a member b

SOME EXAMPLES

Combining Comparisons

and **Are both of the conditionals True?**

or **Is one of the conditionals True?**

not **Is a conditional False?**

Assignment:

Define a function that checks divisibility by two and three and returns True if a number is divisible by 6.

Comparison in Python

Combining Comparisons

if	Your first condition
elif	Next condition(s)
else	If all previous conditions are False

SOME EXAMPLES

Thanks!



Me@ArminMokhtari.ir