Python Course

Variables, expressions, Statements & Conditional execution

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Values and types

python :)

```
print(10)
#10

type('Python Course')
# <class 'str'>

type(98)
# <class 'int'>

type(1.7)
# <class 'float'>

type('30')
# <class 'str'>
```

Variables

python :)

```python
message = 'karim and his friends'
number = 17
pi = 3.1415926535897931

print(number)
#17

print(pi)
# 3.1415926535897931

type(message)
#<class 'str'>
```

Try these names

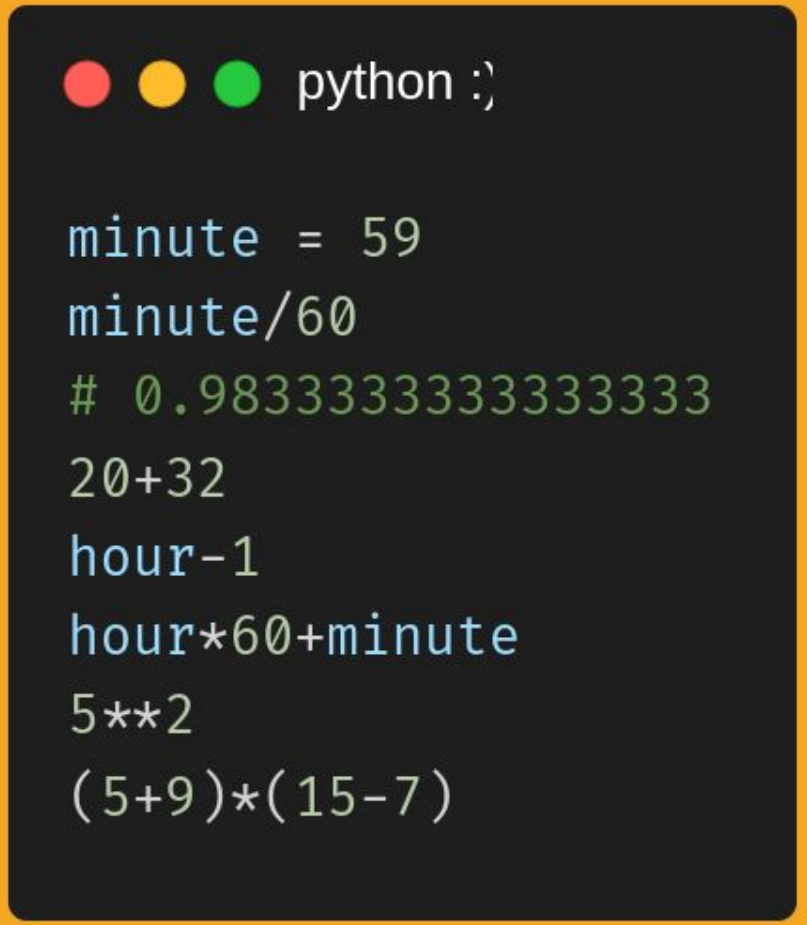
These names are illegal

Python keywords

False	break	for	not
None	class	from	or
True	continue	global	pass
__peg_parser__	def	if	raise
and	del	import	return
as	elif	in	try
assert	else	is	while
async	except	lambda	with
await	finally	nonlocal	yield

Operators and operands

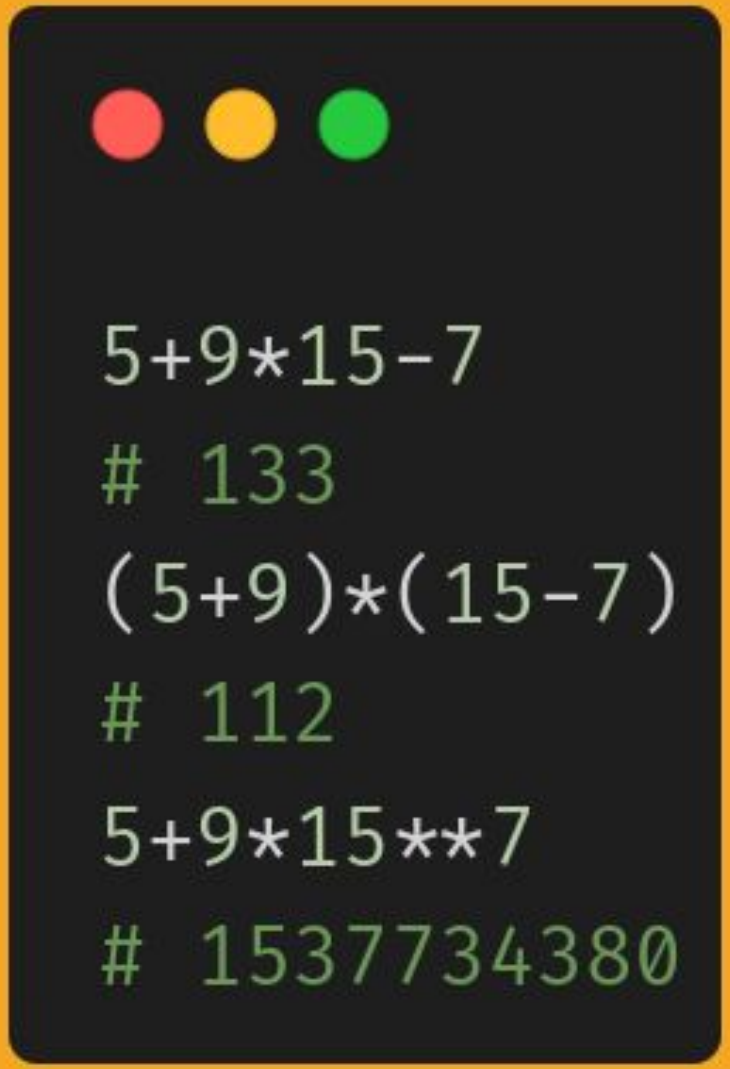
The operators +, -, *, /, and ** perform addition, subtraction, multiplication, division, and exponentiation, as in the following examples:



Order of operations

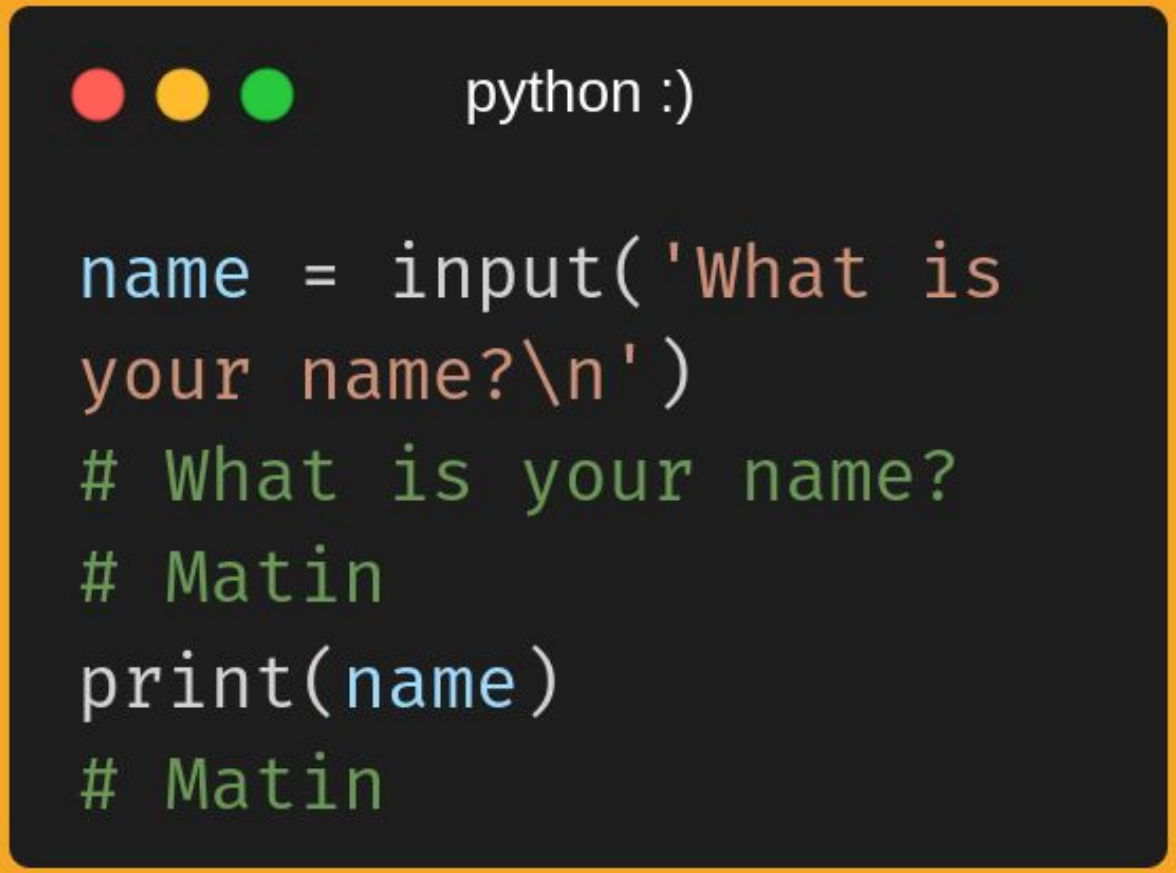
PEMDAS

1. Parentheses
2. Exponentiation
3. Multiplication & Division
4. Addition & Subtraction



User input

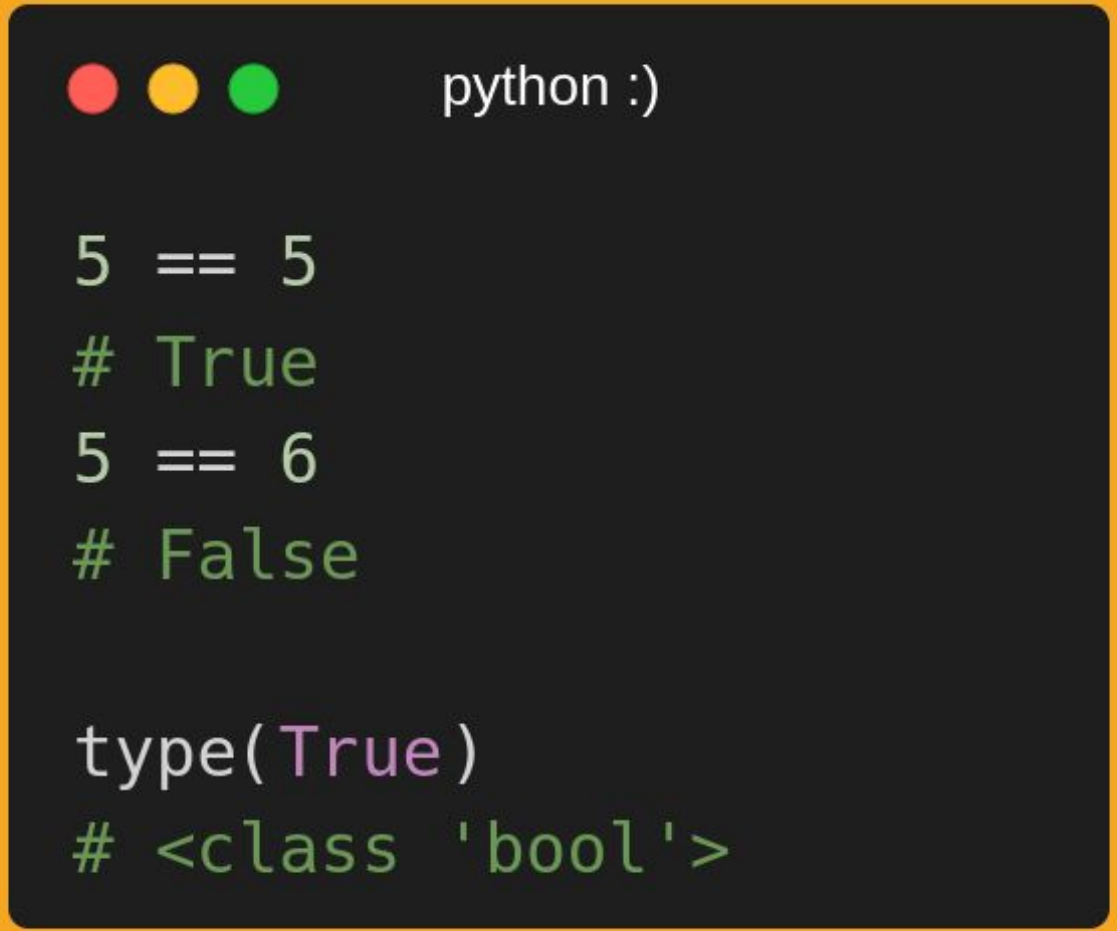
When this function is called, the program stops and waits for the user to type something. When the user presses Return or Enter, the program resumes and input returns what the user typed as a string.



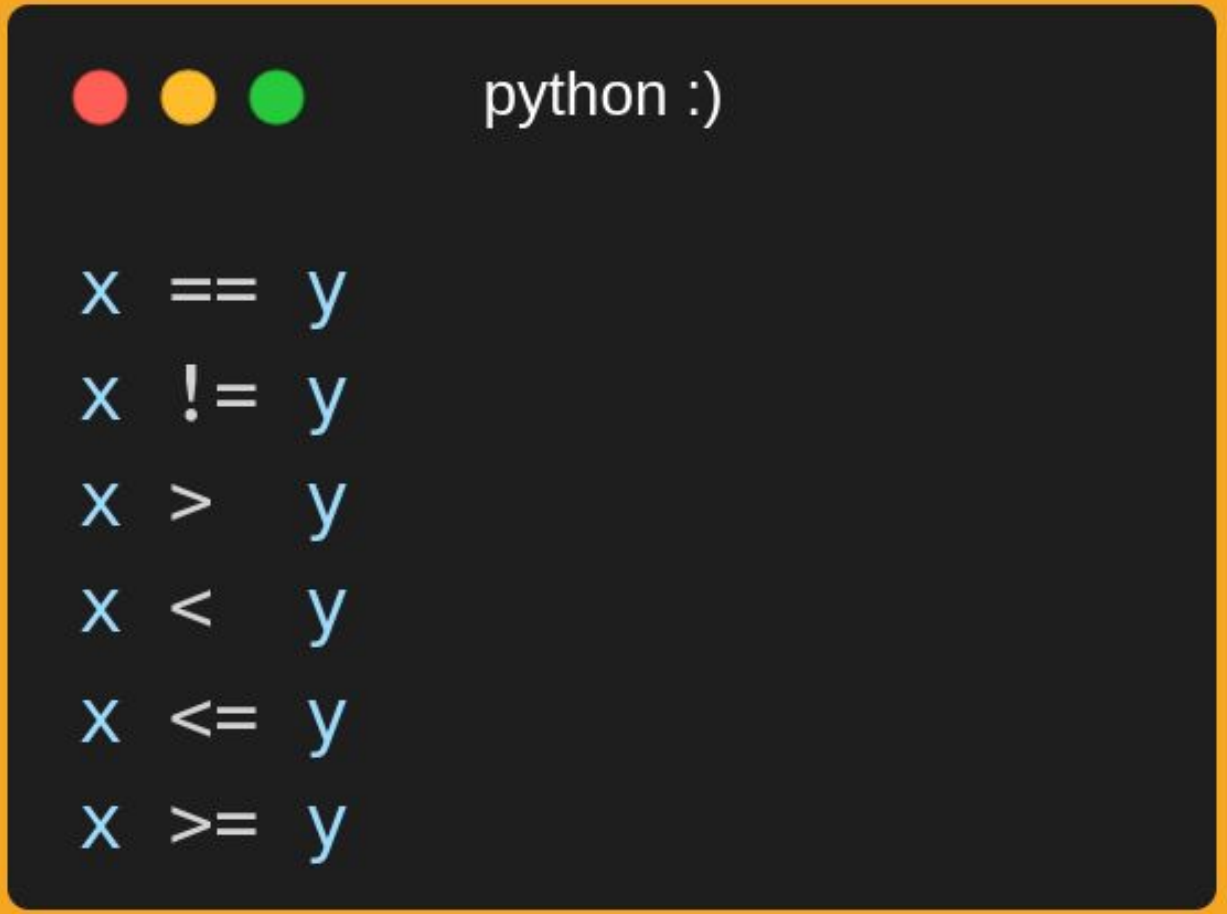
Conditional Execution

Boolean expressions

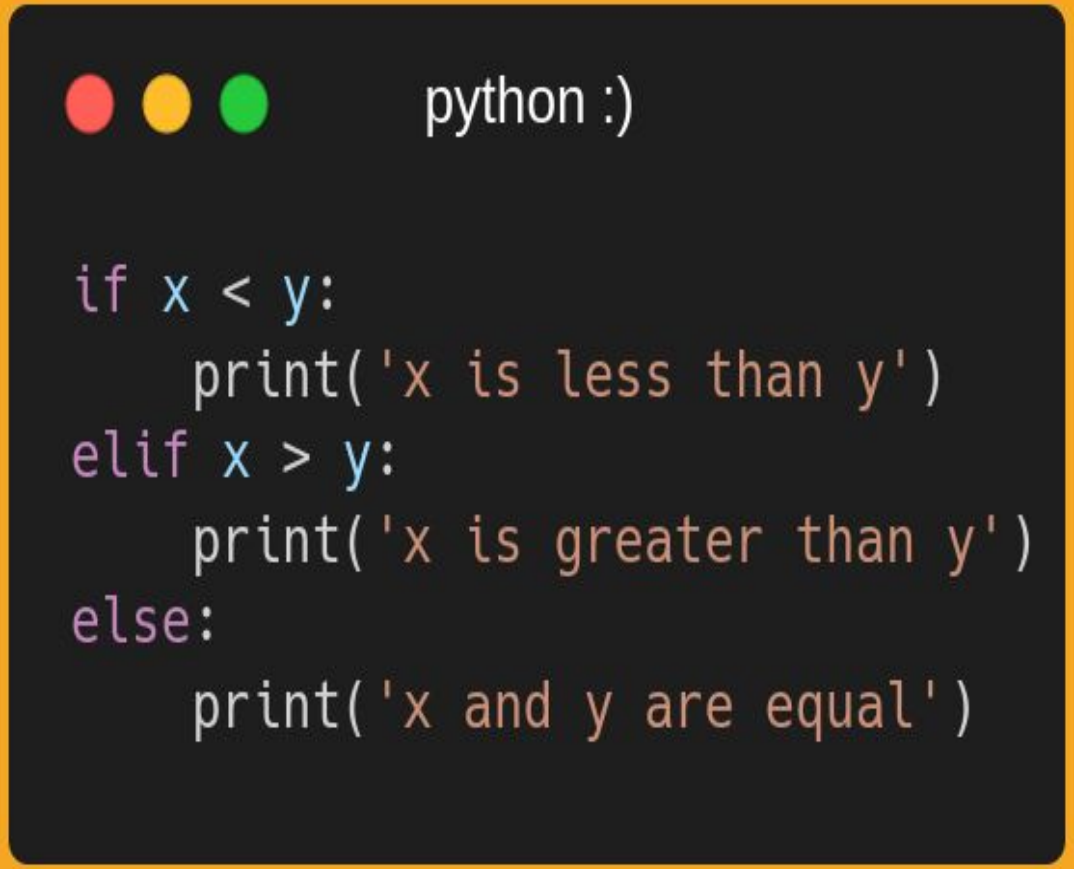
A boolean expression is an expression that is either true or false.



comparison operator



Conditional execution



Try and except

python :)

```
inp = input('Enter Fahrenheit
Temperature:')
try:
    fahr = float(inp)
    cel = (fahr - 32.0) * 5.0 / 9.0
    print(cel)
except:
    print('Please enter a number')
```

Any question?