



Learn Python With Me #2

A Python Programming Course for Beginners

<https://vimaltech.com/python>

April 1, 2020



Before we begin...

1. **Website for this course**
<https://vimaltech.com/python>
2. **Please join group on GetTogether**
<https://gettogether.community/learn-python-with-me/>
3. **Telegram group**
<https://t.me/joinchat/BVUEbxP8CngY0oGUsUHbiQ>



LPWM #1 — Quick Review

Variables

Data types

int, float, string

Functions

print(), input()

Comments

```
# This is a comment
```

Basic calculations

+, -, *, /



Working with Strings

`str.upper()`

`str.lower()`

`str.capitalize()`

`str.strip()`

`str.split()`

`str.startswith()`

`str.endswith()`

`str.format()`

and more...

<https://docs.python.org/3/library/stdtypes.html#string-methods>



Accessing Characters in a String

```
word = "Python"  
word[0:2]  
"Py"
```

```
+---+---+---+---+---+---+  
| P | y | t | h | o | n |  
+---+---+---+---+---+---+  
0   1   2   3   4   5   6  
-6  -5  -4  -3  -2  -1
```

Reference: <https://docs.python.org/3/tutorial/introduction.html#strings>

The `dir()` function



Reserved keywords

You should not use these words to name your variables

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



Lists



Lists

Compound data type, used to group other values

```
fruits = ["apple", "banana", "orange"]
```

```
numbers = [1, 3, 5, 7, 9]
```

```
mixed = ["hello", 3.14, False, 10248]
```



Working with Lists

`list.append()`

`list.clear()`

`list.count()`

`list.index()`

`list.sort()`

`list.insert()`

`list.remove()`

`list.reverse()`



Accessing List Elements

```
fruits = ['apple', 'banana', 'cherry', 'orange']
```

```
fruits[0]
```

```
'apple'
```

```
fruits[-1]
```

```
'orange'
```

```
fruits[1]
```

```
'banana'
```

```
fruits[-2]
```

```
'cherry'
```

```
fruits[3]
```

```
'orange'
```

```
fruits[0:2]
```

```
['apple', 'banana']
```

The `len()` function



Questions?

If you found this course useful, please consider supporting my work:

<https://vimaltech.com/donate>

I'm also available for individual & group training

Contact me: vimal@disroot.org