



# Learn Python With Me #3

A Python Programming Course for Beginners

<https://vimaltech.com/python>

April 15, 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 (Q&A, announcements)  
<https://t.me/joinchat/BVUEbxP8CngYOoGUsUHbiQ>



# LPWM #2 — Quick Review

## Working with strings

`str.upper()`

`str.strip()`

and more ...

## Working with lists

`list.append()`

`list.remove()`

and more...

## Functions

`len()`, `dir()`

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# Additional data types – **Tuples**



# Tuples

A **sequence data type** like List

Data **cannot be changed**

(immutable)

Operations – count, index, len, min, max,

in, not in ...

## Examples

```
numbers = (1, 2, 3)
```

```
pets = (“dog”, “cat”)
```

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What if you want to store more information related to an item?



## You could do this

### A list of lists

```
pets = [["dog", "lucy"], ["cat", "felix"]]
```

### A tuple of tuples

```
pets = (("dog", "lucy"), ("cat", "felix"))
```

—

There is a better way –  
**Dictionaries**





# Dictionaries

## Set of key: value pairs

```
pets = {"dog": "lucy", "cat": "felix"}  
pets.keys()  
pets.values()  
pets["dog"]
```

Adding, removing items

Operations – in, not in, len, sorted, list etc.,

# Making Decisions





# The if statement

```
if condition is true  
    do this  
else  
    do this instead
```

# Looping Techniques

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# The for loop

```
for i in range(5):  
    print(i)
```

Using for loops with lists and dictionaries

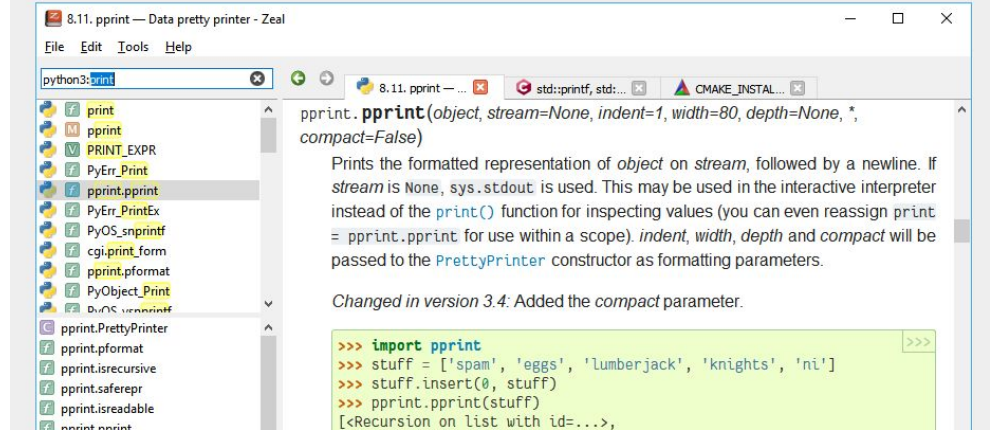
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# Software recommendation

# Zeal

<https://zealdocs.org/>

Zeal is an offline documentation browser for software developers.





## Questions?

Please join the  
Telegram group or

Send me an email:  
vimal@disroot.org

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Python and Linux  
technologies.**