

DIT PhD Introduction to Computational Thinking and Programming

Lesson 3. Python 4 Poets

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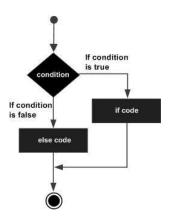
Programming



Diagram borrowed from L. Moroney's Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

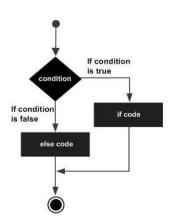
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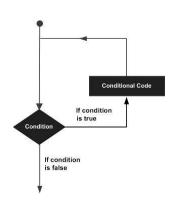
Conditionals and Loops



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Conditionals and Loops





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A simple function

```
def name_of_the_function(input1, input2):
    # function code
    none
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Calling the function

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Another valid call

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name_of_the_function(hi, ho)
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2024

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Another valid call

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name_of_the_function(hi, ho)
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An invalid call

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name_of_the_function(hi)
```

From Unix to Python

• Kenneth W. Church's Unix for poets¹

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¹https://web.stanford.edu/class/cs124/kwc-unix-for-poets.pdf

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Python for Poets

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