



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
CAMPUS DI FORLÌ

# DIT PhD

## Introduction to Computational Thinking and Programming

### Lesson 3. Python 4 Poets

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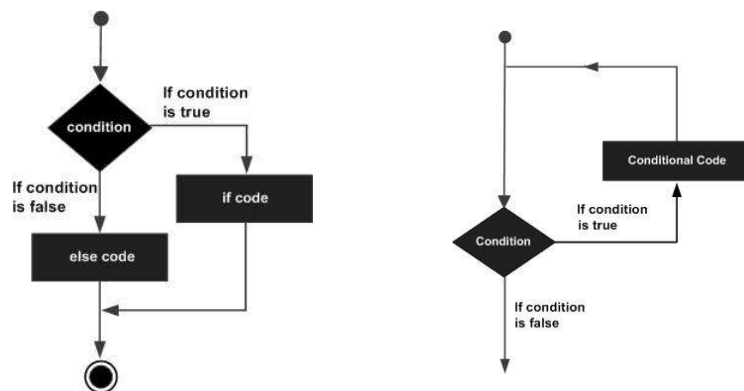
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## Programming



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

## Conditionals and Loops



Diagrams borrowed from <https://www.tutorialspoint.com>

## Functions (methods)

### A simple function

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

### Calling the function

```
name_of_the_function("hi", "ho")
```

### Another valid call

```
name_of_the_function(hi, ho)
```

### An invalid call

```
name_of_the_function(hi)
```

## From Unix to Python

- Kenneth W. Church's **Unix for poets**<sup>1</sup>



**Python for Poets**

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