



Foundations of Programming in Python – Recap lecture 2

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Course Overview

- Introduction to Programming
- Fundamental Components
 - Values, Variables, Expressions, Operators, Comments
 - Functions
 - Conditionals
 - Functions with return values
 - Lists
 - Iterations
 - Dictionaries
- Persistence

Questions from lecture 2

Questions / Problems

- Lists
- How to see a library content
- More on debugging

Quiz – Lists

- You are the Manager of a Fantasy-Soccer-Team
 - Create a List with 11 Names for your team
 - Info: The “Place” in the List is also the Player-Number – The number changes by deleting but that is not a Problem
 - List or Tuple?
 - You just bought a second Goalie, please add his Name to the list
 - You just bought 3 new defenders, please add all their names at once!
 - Wow, Chelsea has just bought your Player Nr 10... please delete his name out of the list forever 😊
 - Player 7-9 are in your Team for more than a year please print out the following Blink-Headline “The following players: name1, name2, name3 are more than a year part of our team!”
 - Make it look awesome with join
 - `s = '- ', s.join(ListOfPlayers)`

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Videos & Additional learning resources

- Lynda.com
 - <https://www.lynda.com/Python-tutorials/Programming-Fundamentals-Real-World/418249-2.html?org=uzh.ch>
 - <https://www.lynda.com/Python-tutorials/Python-3-Essential-Training/62226-2.html?org=uzh.ch>
 - Example:
 - <https://www.lynda.com/Python-tutorials/Ifelse-chains/418249/459142-4.html?org=uzh.ch>
- Codeschool.com
 - <https://www.codeschool.com/courses/try-python>