INTRODUCTION TO PROGRAMMING WITH PYTHON

You will learn

- Basic concepts about programming
- How programming languages work
- Basic and rich data types
- How to develop algorithms
- Implementing above using Python

Sources

- Weekly lectures

  Accessible asynchronously through ninova.itu.edu.tr

- The site:

  bil.itu.edu.tr

- The book:

  "Starting Out with Python" by Tony Gaddis

- Other sites

  python.org

  tutorialspoint.com

  w3schools.com

Lecturer

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- Sample code pages
- Supplement videos

Site

- URL: bil.itu.edu.tr

- Site news: Check regularly to be informed

- BIL and CMP courses → BIL100E Introduction To Python - Fall Course Materials: Materials page, including week by week schedule of the course.

- Use your İTÜ username and password to log in

- Enrollment key: PYTHON

Working with Python

- You may install Python interpreter (version 3.5 or above)
  - python.org
  - OS repositories (package manager, app store)
- You may use an IDE compatible with Python
  - Spyder
  - PyCharm
- You may use an online Python interpreter
  - Sample code pages

Quote from O'Reilly

"I think the golden age of the last couple of decades where you can become a programmer and you'll get a job... is sort of over. **Programming is now more like being able to read and write.** You just have to be able to do it to be able to get the most out of the tools and the environments that you're presented with, whatever they are."

Quote from O'Reilly

"Every working scientist today is a programmer. Programming can make a journalist more successful, programming can make a marketer more successful, programming can make a salesperson more successful, programming can make an HR person more successful. **Having technical literacy is on the same level as being good at reading, writing, and speaking.**"

Quote from O'Reilly

- The whole article:

    https://www.infoworld.com/article/3564824/the-unwavering-optimism-of-tim-oreilly.html