Ch1: Introduction

305172 Computer Programming
Laboratory
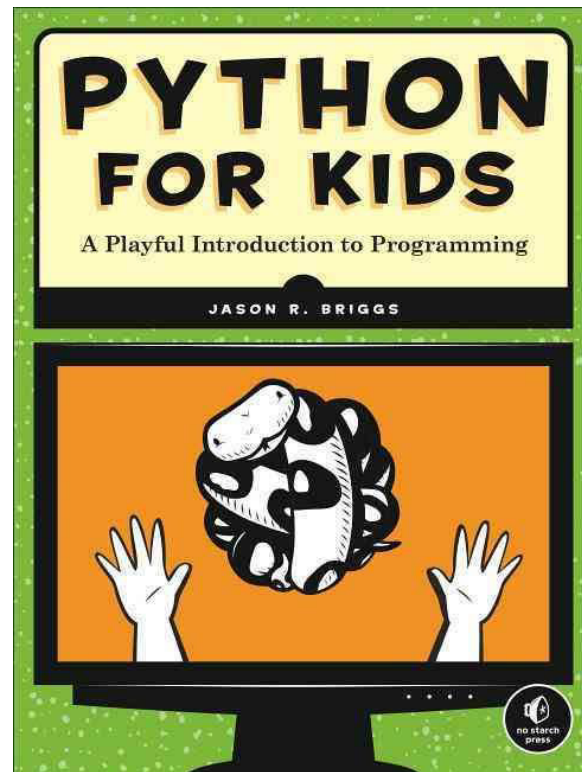Jiraporn Pooksook
Naresuan University

Class Information

- Instructor: Jiraporn Pooksook (จิราพร พุกสุข)
- TA: Wanarat Juraphanthong (วนารัตน์)
- Lecture time&Location:
  G1: Thurs 9-12 a.m., EN609
  G2: Thurs 5-8 p.m., EN609
- Office: EE 214
- Office hour: By appointment
- Email: jirapornpook@nu.ac.th
- Website: www.ecpe.nu.ac.th/jirapornpook

Assignment & Grading

- Homework: 10%
- Class Participation: 10%
- Midterm: 30%
- Final: 30%
- Project: 20%

Books & References

- Python for Kids: A Playful Introduction To Programming, by Jason R. Briggs

Retrieved from : https://books.google.co.th/books

Books & References

- Python programming books written in Thai.

- Python tutorial
  https://docs.python.org/3/tutorial/

- Video Lecture of CU
  https://www.youtube.com/watch?v=U2l1xgpVsuo

Tools

- Python 3.7.0

  https://www.python.org/downloads/

- IDLE Python

Exercises

- Register Code.org
  https://studio.code.org/s/express/

- Finish tasks and report what level you have already done every week.

How to write a program

- Decide which language you want to code.
- Find a good compiler/interpreter.
- Start writing a code.

What are these words?

Programming language	Compiler/ interpreter	Editors
C	GNU GCC 9.1	Turbo C ,Borland C++, Visual C++, Visual Studio Code, Codeblocks
C++	GNU GCC 9.1	Turbo C++,Borland C++,Visual C++ , Visual Studio Code, Codeblocks
JAVA	Java SE 12.0.1	JCreator, Netbeans, Eclipse
Ruby	Ruby 2.6.3	Atom, Visual Studio Code
Python	Python 3.7.3	Visual Studio Code, Idle, PyCharm

Types of Programming Languages

- Static Programming Language : Java, C, C++, etc.
  - declare the type of variables before use.
  - need compiler to read all instructions and run at once finally.
- Dynamic Programming Language : Python, Ruby, etc.
  - a variable can be any type.
  - an interpreter read and run line by line.