

Taking a look at Python ep1

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Summary

What is Python used for?

Environment

Getting Started

Web programming

- ▶ Instagram
- ▶ Mozilla Pontoon
- ▶ Apertium
- ▶ etc.

Natural Language Processing

- ▶ NLTK
- ▶ PyThaiNLP
- ▶ Tensorflow
- ▶ PyTorch
- ▶ MXNet
- ▶ etc.

Google Colab

`https://colab.research.google.com`

Windows GNU/Linux macOS NetBSD ...

`https://www.python.org/`

Android 1/2



Android 2/2

1. Install Termux
2. Run `pkg install python`
3. Run `python`

Caution!

Version

Data

- ▶ Number: 10, 10.2
- ▶ String: "Hello World!"
- ▶ List: [10, 10.2, "Hello World!"]
- ▶ Dictionary: {"cat": "animal", "rice": "plant"}
- ▶ etc.

Functions

- ▶ print
- ▶ etc.

Expressions

- ▶ Arithmetic: $10 + 20$
- ▶ Comparisons: $20 < 30$

Statements

- ▶ Assignments: $x = 10$, $a = \text{"Hello"}$
- ▶ if statement
- ▶ Function definitions
- ▶ etc.