

Linux Beginner Guide

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Introduction

In this guide, I assume that followings are already installed:

- 1 Ubuntu 16.04.2 or Higher
- 2 ZSH 5.0.2 or Higher
- 3 VIM 8.1 or Higher
- 4 Python 3
- 5 We will connect to server via SSH

Also, you should be familiar with Linux system.

If not so, you should start at here:

<https://github.com/Fumire/LinuxLecture/releases/tag/200105>

Overview

1 Python?

2 Basic IO

Python?



Figure: Logo of Python

Python is an *interpreted* programming language, created by Guido van Rossum in 1991.

Interpreted?

Interpreted is opposed *compiled*.

Compiled programming language is required compiling(translating) before its running.

Interpreted programming language does not require compiling; it can run by read code one-by-one line.

How to run Python?

There are two ways to run Python

```
05:11:35 jwlee230@darwin ~/python
$ python
Python 3.7.4 (default, Jan 15 2020, 11:36:18)
[GCC 5.4.0 20160609] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import this
The Zen of Python, by Tim Peters
```

(a) Python Interpreter

```
05:15:48 jwlee230@darwin ~/python
$ python3 test.py
The Zen of Python, by Tim Peters
```

(b) Python Script

We will prefer (b) Python Script for better reproducibility.

print()

Example

```
print(" Hello world" )
```

This example will print as:

Example

```
Hello world
```

Try with other strings!

input()

Example

```
s = input("Write:")  
print(s)
```

input() accepts input as string.

Also, in this example, *variable* is used; we will talk about that later.

int Type