

KOLT Python

Third-Party Packages

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KOLT

1. Installations
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2. Package Management
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3. Virtual Environments
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4. Example: Telegram Bot
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Agenda

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2. Package Management

3. Virtual Environments

4. Example: Telegram Bot

Installing Python

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- Check the installation by running `python`(Windows)/`python3`(macOS/Linux) in terminal.

```
C:\Users\auysal>python
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:37:50) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print('Hello, world!')
Hello, world!
```

Installing an Editor/IDE(Integrated Development Environment)

- Having a specialized editor/IDE can help a lot.
- We will use Visual Studio Code but you are free to use any editor/IDE of your choice.
- Get Visual Studio Code from code.visualstudio.com/download



Configuring Visual Studio Code for Python

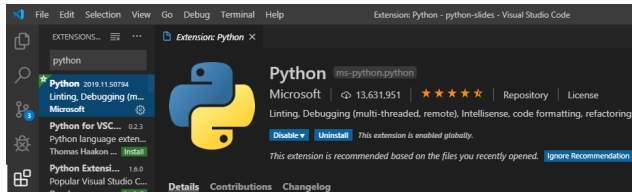
- Install Python extension for VS Code.

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- Select the Python(3.8.0) Interpreter in VS Code.

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- For more information, visit [VS Code Python Tutorial](#).



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Visit pypi.org to explore packages.

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pip

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Any problems?

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Common pip commands

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Search PyPI for matches:

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$ pip search query
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Virtual Environments

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- Updating a library for **Program A** can harm another **Program B**. (*Breaking Changes*)
- We want **isolation** between programs.

Creating Virtual Environments

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Activating a virtual environment:

cd(Change directory) to virtual environment folder.

In Windows: \$ **Scripts\activate**

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Deactivating a virtual environment:

```
$ deactivate
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Example: Telegram Bot

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- Create a virtual environment.

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- Create a virtual environment.
- Activate the virtual environment you just created.

Example: Telegram Bot

- Create a virtual environment.
- Activate the virtual environment you just created.
- `$ pip install python-telegram-bot`

Create an API Token

Create an API Token

t.me/botfather

