TechnoStrom

INSTALLING PYTHON

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INSTALLING PYTHON

- To install Python we will use the free Anaconda distribution.
- This distribution includes Python as well as many other useful libraries, including Jupyter.
- Anaconda can also easily be installed on to any major OS, Windows, MacOS, or Linux.

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- There is also Miniconda , which is a smaller sized version of Anaconda.
- To begin installation go to:
  www.anaconda.com/downloads

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- There are several ways to run Python code.
- First let's discuss the various options for development environments
- There are 3 main types of environments:
    - Text Editors
    - Full IDEs
    - Notebook Environments

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- Text Editors
  - General editors for any text file
  - Work with a variety of file types
  - Can be customized with plugins and add-ons
  - Keep in mind, most are not designed with only Python in mind.

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- Full IDEs
  - Development Environments designed specifically for Python.
  - Larger programs.
  - Only community editions are free.
  - Designed specifically for Python, lots of extra functionality.

Most popular: PyCharm and Spyder

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- Most important note:
  - Development Environments are a personal choice highly dependent on personal preference.

Choose whichever development environment you prefer!

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- Let's now explore how to run Python code:
  - First with an editor to create a .py script and run the file at your command line.
  - Then with a Jupyter Notebook.

First let's download sublime text editor:
www.sublimetext.com

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▶ To download and install Python visit the official website of Python http://www.python.org/downloads/ and choose your version. We have chosen Python version 2.7.5

▶ **Step 2: Choosing an editor/IDE**

To run your Python, you need an editor. There some popular online editor for Python language that you can use like

http://pythonfiddle.com

http://sublimetext.com

http://www.aptana.com/products/studio3

INSTALLING PYTHON ON LINUX

1)Download and extract

wget http://www.python.org/downloads/ftp/python/3.6/Python-3.6.0.tar.xz

tar xjf Python-3.6.0.tar.xz

If file in Python-2.7.13 (1).tgz format

gunzip Python-2.7.13 (1).tgz

tar –xvf Python-2.7.13 (1).tar

2) ./configure

3)make

4) make install

INSTALLING PYTHON ON WINDOWS

1) Download https://www.python.org/downloads/
2) Click on python-3.x.x.com file and enter on run button
3) Click on add Env option