TEXT EDITOR

The formal definition is: “A text editor is a type of program used for editing plain text files.”

Essentially, a text editor is a program on you computer that allows you to create and edit a range of programming language files. AKA this is the place where you write your code!

Text editors handle “hand coding” many different languages, i.e.: HTML, CSS, JavaScript, PHP, Ruby, Python, and so forth.

The advantages that we get

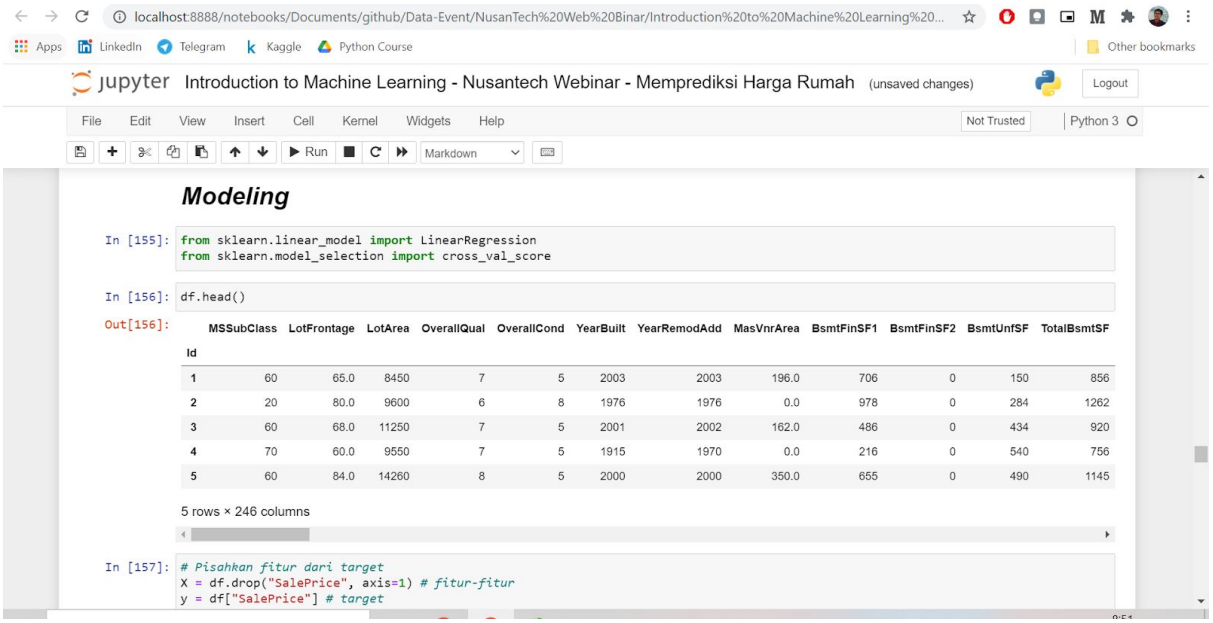
1. Easy to use and navigate (similar to a good word processor)
2. Find and replace feature (so you can change a single word in the whole file with a few clicks)
3. Cut, Copy, Paste (again, similar to word processors)
4. Ability to handle UTF-8 encoded text (also unlike a word processor)
5. Syntax highlighting (unlike your word processor, this makes it easier to read code and pick up any errors)
6. Customizable appearance (such as modifying font size, color schemes, etc., of your editor which optimizes your work zone)
7. Extensibility – (provide some plugin mechanism, or is scriptable, so a programmer can customize the editor with additional features – this is more advanced)
8. Auto-Completion
9. Checking Error & root cause

There are so many ,The most popular text editor for python are **Jupyter Notebook**, **Visual Studio Code** & **Pycharm.**

Jupyter Notebook

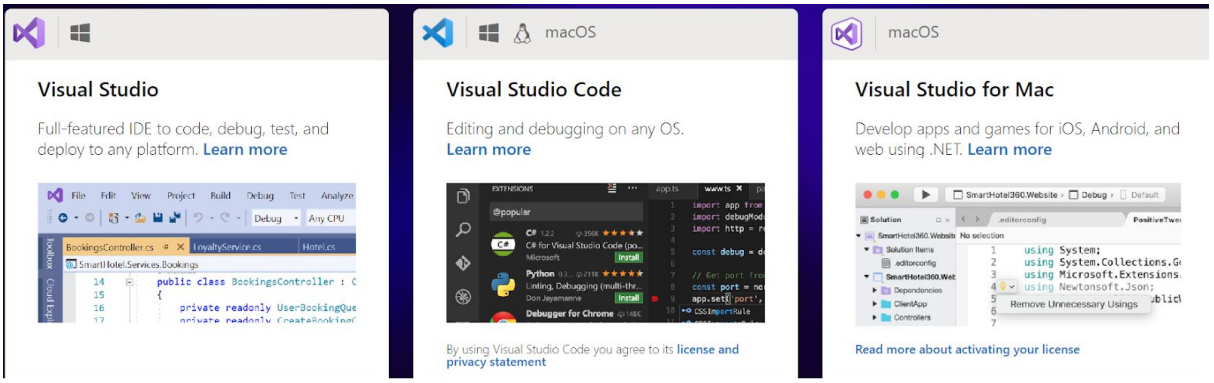
The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and narrative text.

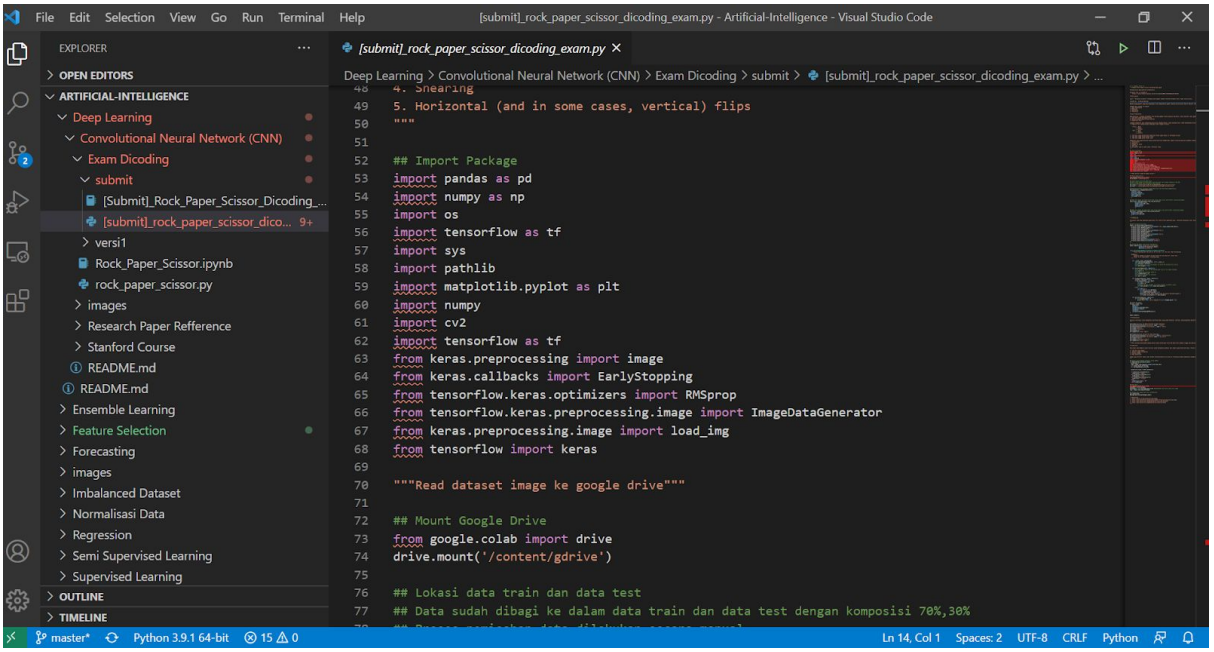
Uses include: data cleaning and transformation, numerical simulation, statistical modeling, data visualization, machine learning, and much more.



Visual Studio Code

Visual Studio dev tools & services make app development easy for any platform & language.





Pycharm

PyCharm **provides** smart code completion, code inspections, on-the-fly error highlighting and quick-fixes, along with automated code refactorings and rich navigation capabilities.

PyCharm integrates with IPython Notebook, has an **interactive Python console**, and supports Anaconda as well as multiple scientific packages including matplotlib and NumPy.