

Python Installation

Python

- An object oriented interpreter-based programming language
- Some advantages:
 - Free
 - Powerful
 - Widely used (Google, NASA, Yahoo, Electronic Arts, some UNIX scripts etc.)
- Named after a British comedy "Monty Python's Flying Circus"
- Official website (Python the programming language, not the Monty Python comedy troop): <http://www.python.org>
- If you want to learn python systematically, see youtube or other course.
- This ppt show only basic instructions for hw.

Installation of Python

<https://www.python.org/>

The screenshot shows the Python.org website with the 'Downloads' menu open. The 'Python 3.12.0' option is highlighted with a red box. The 'Download for Windows' section is also visible, providing instructions for Windows installation.

Python

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python™

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Python 3: Lis
>>> fruits = ['
>>> loud_fruits
fruits]
>>> print(loud_
['BANANA', 'APP

List and the
>>> list(enumer
[(0, 'Banana'),

All releases
Source code
Windows
macOS
Other Platforms
License
Alternative Implementations

Download for Windows

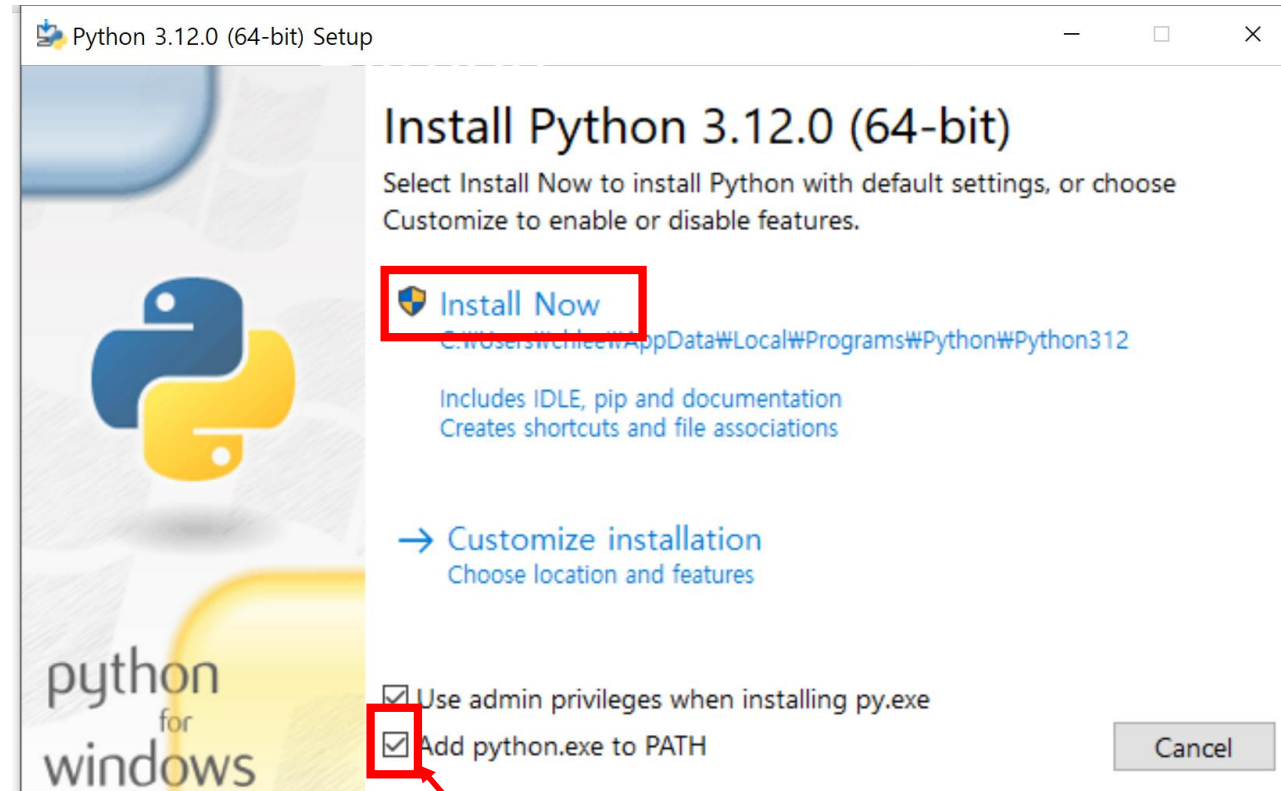
Python 3.12.0

Note that Python 3.9+ cannot be used on Windows 7 or earlier.

Not the OS you are looking for? Python can be used on many operating systems and environments.
[View the full list of downloads.](#)

Python is a programming language that lets you work quickly and integrate systems more effectively. >>> [Learn More](#)


Installation of Python



make sure you check this

Installation of Python

- 1) After download run python-3.12.0-amd64.exe
- 2) Use default settings
- 3) After installation of Python
- 4) At system Command Prompt, type
python --version
make sure python is correctly installed




```
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Wchlee>python --version
Python 3.12.0

C:\Users\Wchlee>_
```

Installation of Mysql-Connector-Python

- 5) At system command prompt, type
 `pip install mysql-connector-python`
- 6) You will see something like below. This means mysql-connector-python is now installed.
- 7) In the future, if you need to install any other python package, you can do by typing
 `pip install <package name>`



```
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Wchlee>python --version
Python 3.12.0

C:\Users\Wchlee>pip install mysql-connector-python
Collecting mysql-connector-python
  Obtaining dependency information for mysql-connector-python from https://files.pythonhosted.org/packages/99/72/9bcbc7d6fe122fcbb4f948fd79c18387e84c4df8762aa55eb230acf1193b/mysql_connector_python-8.1.0-py2.py3-none-any.whl.metadata
  Downloading mysql_connector_python-8.1.0-py2.py3-none-any.whl.metadata (2.0 kB)
Collecting protobuf<=4.21.12,>=4.21.1 (from mysql-connector-python)
  Downloading protobuf-4.21.12-cp310-abi3-win_amd64.whl (527 kB)
----- 527.0/527.0 kB 2.5 MB/s eta 0:00:00
Downloading mysql_connector_python-8.1.0-py2.py3-none-any.whl (581 kB)
----- 581.1/581.1 kB 12.4 MB/s eta 0:00:00
Installing collected packages: protobuf, mysql-connector-python
Successfully installed mysql-connector-python-8.1.0 protobuf-4.21.12

[notice] A new release of pip is available: 23.2.1 -> 23.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

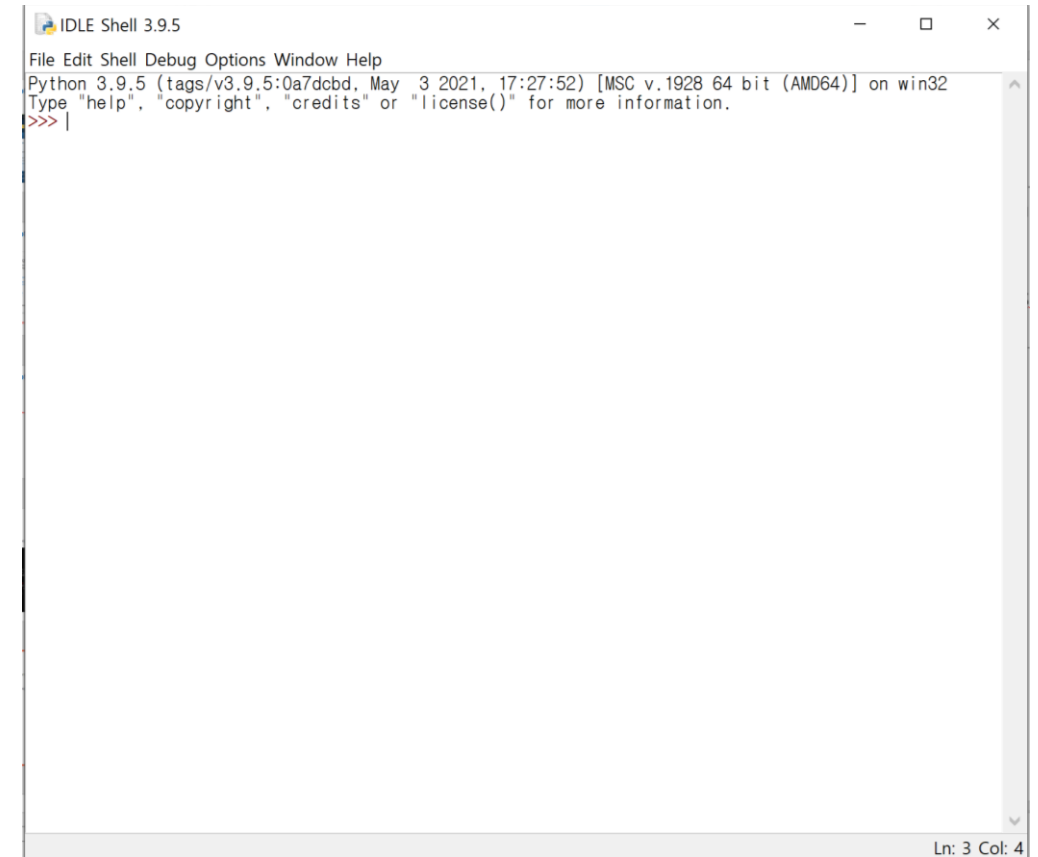
C:\Users\Wchlee>_
```

IDLE Python Editor

7) Bring IDLE Python editor by typing "IDLE" from start menu.

(IDLE is automatically installed in python)

8) You can type in Python command in IDLE and run it in IDLE.

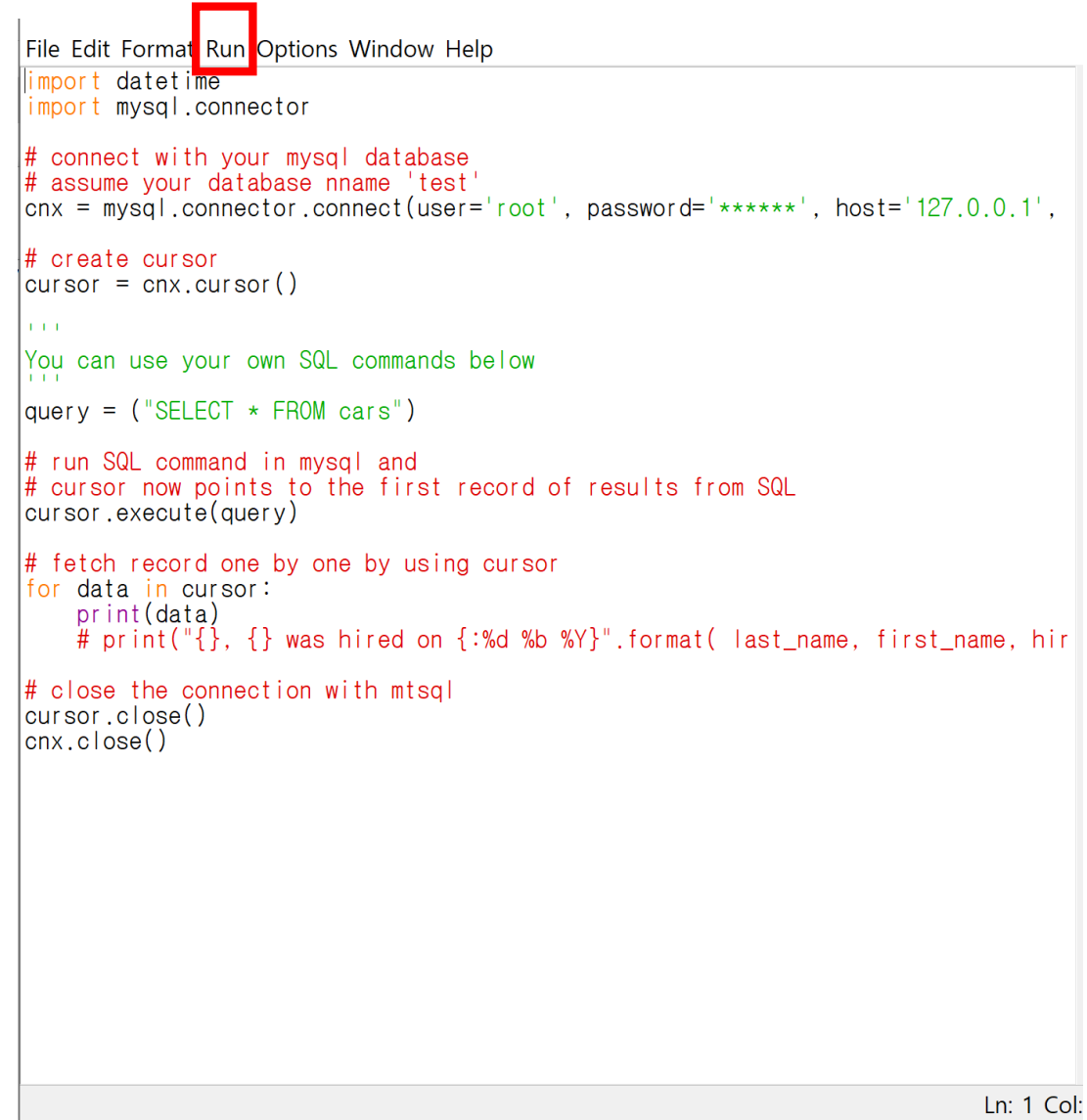


IDLE Python Editor

9) If you create Python program using other editor (notepad, etc), you can open the Python file (File->Open in IDLE)

10) By clicking "Run", you can run the python program

***** If you are familiar with other Python Editors (e.g., Spyder, Pycharm, ...), feel free to use them.**



```
File Edit Format Run Options Window Help
import datetime
import mysql.connector

# connect with your mysql database
# assume your database name 'test'
cnx = mysql.connector.connect(user='root', password='*****', host='127.0.0.1',

# create cursor
cursor = cnx.cursor()

'''
You can use your own SQL commands below
'''
query = ("SELECT * FROM cars")

# run SQL command in mysql and
# cursor now points to the first record of results from SQL
cursor.execute(query)

# fetch record one by one by using cursor
for data in cursor:
    print(data)
    # print("{}, {} was hired on {:%d %b %Y}".format( last_name, first_name, hir

# close the connection with mtsql
cursor.close()
cnx.close()
```

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