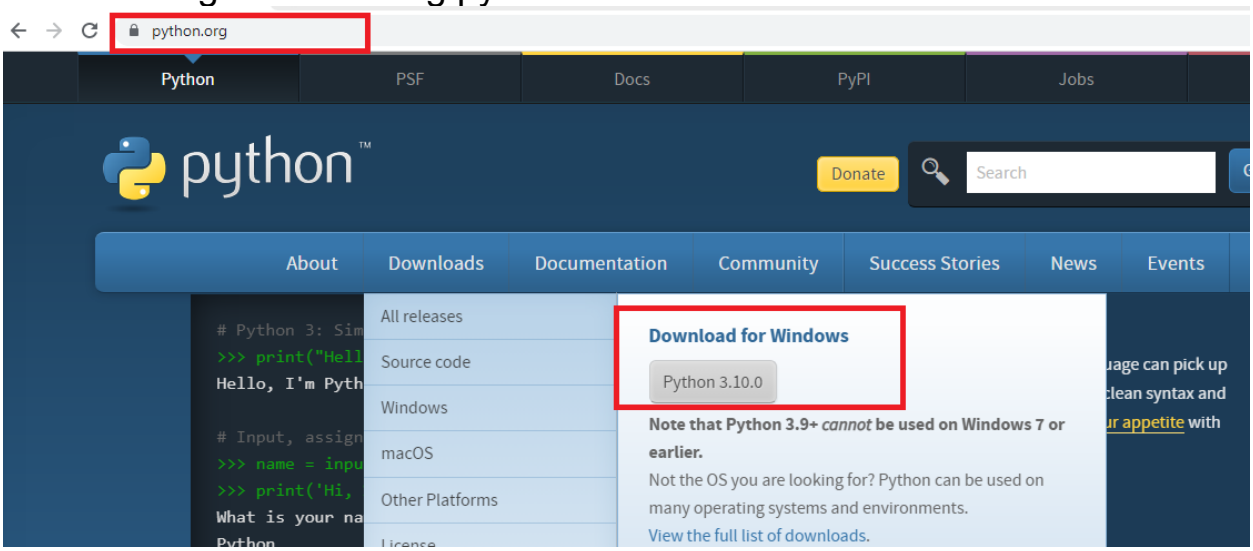
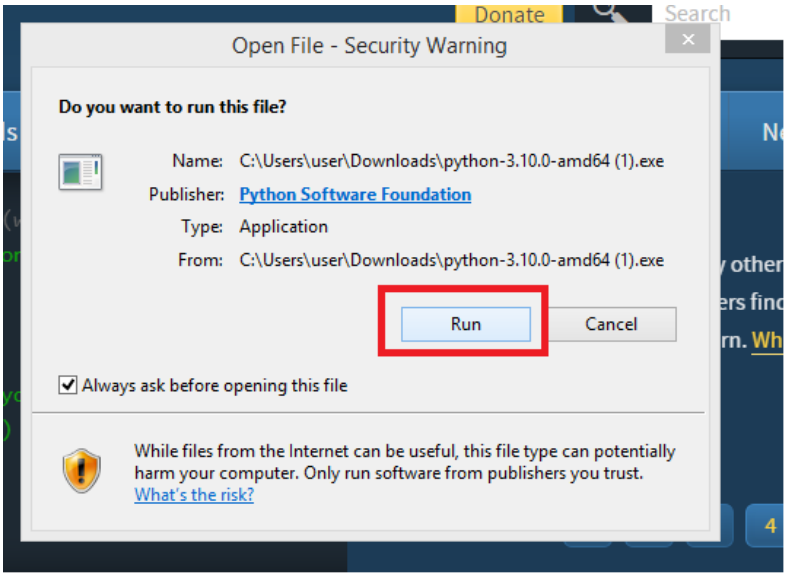
Python Software

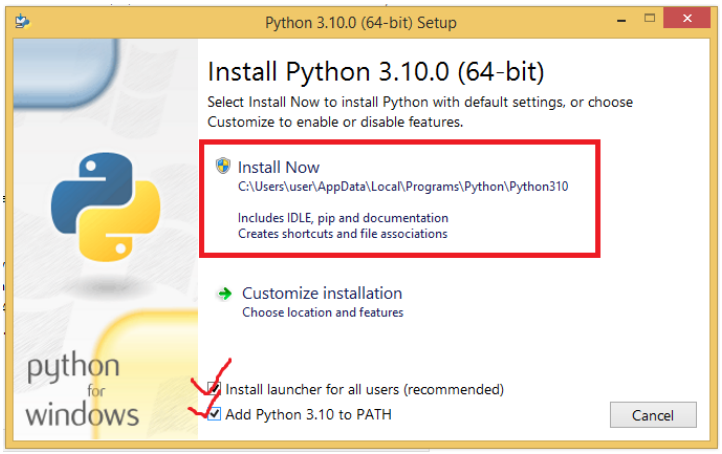
Current version of python is Python 3.10.0 LTS 2026

Python software can be downloaded from www.python.org

Downloading and installing python software







Python software provides,

1. Standard Libraries
   When python is installed application specific modules or libraries are not installed.
2. IDLE (IDE ➔ Integrated Development Environment), code editor.
   IDLE stands for Integrated Development Learning Environment.
3. Python Shell (CLI ➔ command line interface)
4. Python compiler
5. Python Interpreter(PVM)
6. Python tools (pip (**preferred installer program)**,python debugger,…)

The python software downloaded from www.python.org is an implementation of C language. It is also called Cpython(C+python)

Python Implementations

Python implementations are python software.

1. Jython (java+Python)
2. IronPython (.Net+Python)
3. MicroPython (Microcontroller+Python)
4. Rpython(R+python)
5. PyPy(Fast JIT compiler)
6. PyHadoop

Python Distributions

Python distribution is a python software bundle, which consist of python software and application specific libraries.

ActiveState ActivePython (commercial and community versions, including scientific computing modules)
pythonxy (Scientific-oriented Python Distribution based on Qt and Spyder)
winpython (WinPython is a portable scientific Python distribution for Windows)
Conceptive Python SDK (targets business, desktop and database applications)
Enthought Canopy (a commercial distribution for scientific computing)
PyIMSL Studio (a commercial distribution for numerical analysis – free for non-commercial use)
Anaconda Python (a full Python distribution for data management, analysis and visualization of large data sets)
eGenix PyRun (a portable Python runtime, complete with stdlib, frozen into a single 3.5MB - 13MB executable file)

Python IDE's
IDE stands for integrated development environment, which is a code editor.

1. **Pycharm ➔ Web Applications**
2. **Spyder ➔ Scientific Applications**
3. **Jupiter ➔ Developing data science and AI**
4. **GoogleCollab ➔ Developing Data science and AI**
5. **PyDev ➔ Web Applications and Windows Applications**
6. **VS Code ➔ web applications and Windows Applications**

How to find python software is installed in system?

1. **Open command prompt**