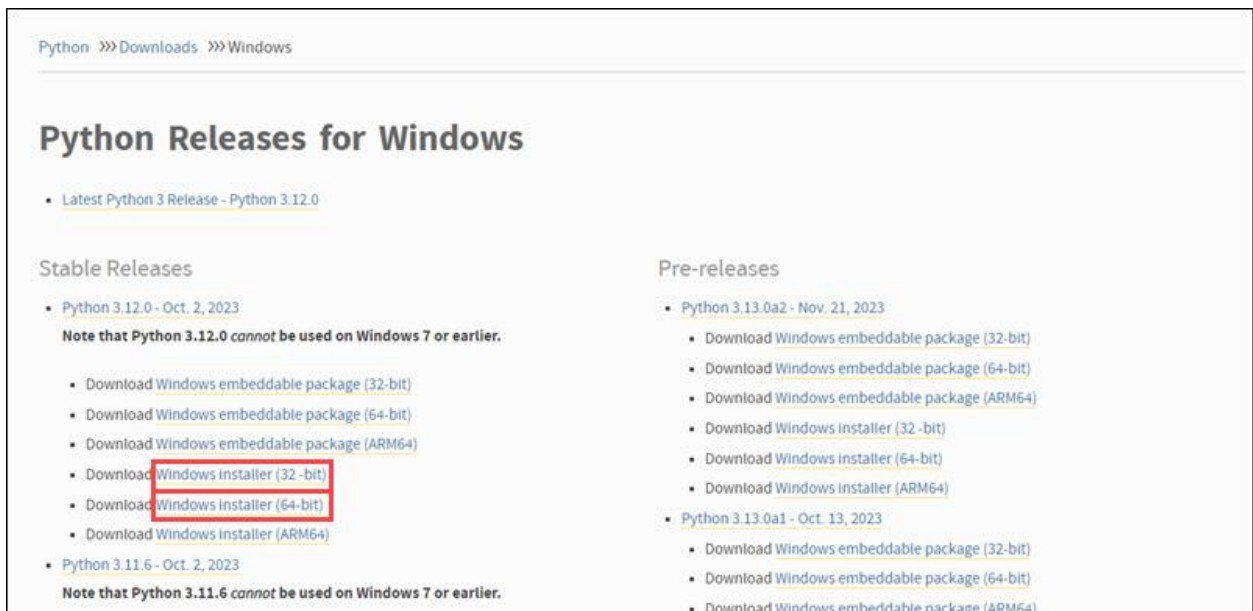# Practical-1

(A) Introduction to Python Programming. Installation & Configuration of Python. Along with its all-major editors, IDLE, Pycharm, Anaconda, Jupyter, Interpreter etc.

Ans:

Step-1: Select Python version and install it in your windows.

Step-2: Run Executable Installer.
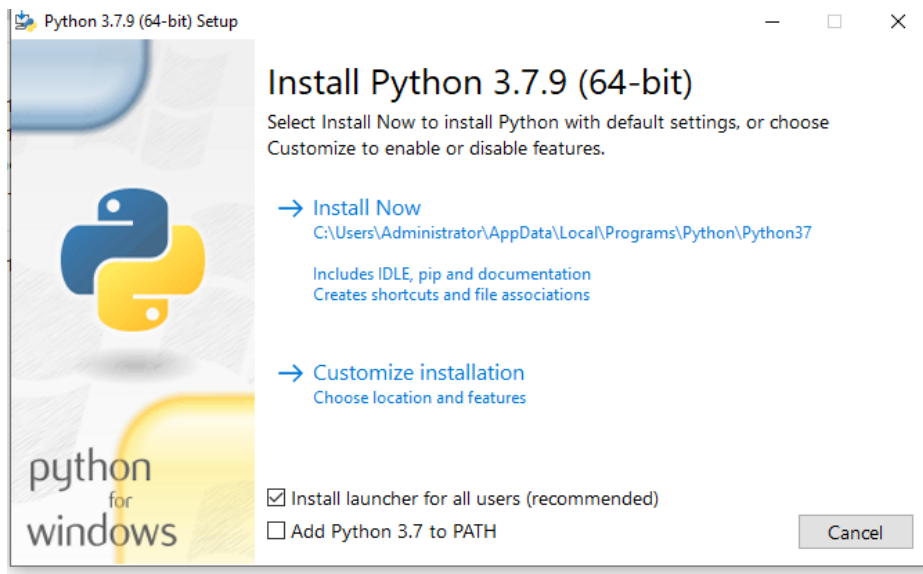
Step-3: Choose Optional Installation Features.
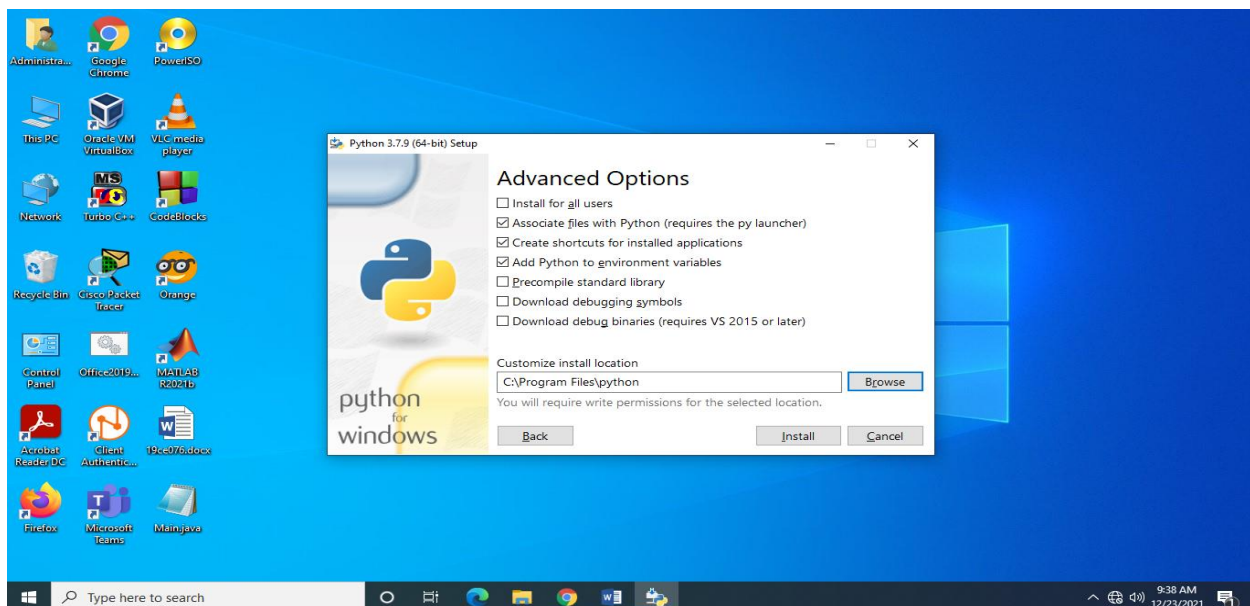
Step-4: Verify Python was installed in your windows.

```
C:\Users\PC>python --version
Python 3.12.0
```

Step-5: Verify PIP was installed.

```
C:\Users\PC>pip --version
pip 23.2.1 from C:\Users\PC\AppData\Local\Programs\Python\Python312\Lib\site-packages\pip (python 3.12)
```

Step-6: Install Virtual Environment.

```
C:\Users\PC>pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.25.0-py3-none-any.whl.metadata (4.5 kB)
Collecting distlib<1,>=0.3.7 (from virtualenv)
  Downloading distlib-0.3.7-py2.py3-none-any.whl.metadata (5.1 kB)
Collecting filelock<4,>=3.12.2 (from virtualenv)
  Downloading filelock-3.13.1-py3-none-any.whl.metadata (2.8 kB)
Collecting platformdirs<5,>=3.9.1 (from virtualenv)
  Downloading platformdirs-4.0.0-py3-none-any.whl.metadata (11 kB)
Downloading virtualenv-20.25.0-py3-none-any.whl (3.8 MB)
   ---------------------------------------- 3.8/3.8 MB 7.8 MB/s eta 0:00:00
Downloading distlib-0.3.7-py2.py3-none-any.whl (468 kB)
   ---------------------------------------- 468.9/468.9 kB 14.8 MB/s eta 0:00:00
Downloading filelock-3.13.1-py3-none-any.whl (11 kB)
Downloading platformdirs-4.0.0-py3-none-any.whl (17 kB)
Installing collected packages: distlib, platformdirs, filelock, virtualenv
Successfully installed distlib-0.3.7 filelock-3.13.1 platformdirs-4.0.0 virtualenv-20.25.0
```

Step-7: Python is now installedand now it is available to be used.