Python Installation guide

Windows:

1. **Download Python Installer**:
   - Go to the official Python website: Python.org.
   - Navigate to the Downloads section and click on the "Download Python" button.
   - Select the latest version of Python (e.g., Python 3.10) for Windows and download the installer (either 64-bit or 32-bit, depending on your system).
2. **Run Python Installer**:
   - Once the installer is downloaded, locate the downloaded file (e.g., python-3.10.2-amd64.exe) and double-click on it to run the installer.
3. **Setup Wizard**:
   - The Python Setup Wizard will appear. Check the box that says "Add Python 3.x to PATH" (x represents the version number).
   - Click "Install Now" to start the installation process.
4. **Installation Progress**:
   - The installer will begin installing Python on your system. This process may take a few minutes.
5. **Completing the Installation**:
   - Once the installation is complete, you'll see a screen that says "Setup was successful." Click "Close" to exit the installer.
6. **Verify Installation**:
   - Open Command Prompt (search for "cmd" in the Start menu).
   - Type `python --version` and press Enter. You should see the installed Python version displayed.

macOS:

- **Install Python**:

  - Open Terminal.
  - If you're using Homebrew, run:

    - `brew install python`
    - If you're not using Homebrew, download the macOS installer from the official Python website and follow the same steps as for Windows.

2. **Verify Installation**:
   - Open Terminal.
   - Type `python3 --version` and press Enter. You should see the installed Python version displayed.

Linux (Ubuntu/Debian):

1. **Open Terminal**:
   - Open the Terminal application.
2. **Update Package List**:
   - Run the following command to update the package list

- `sudo apt update`

- **Install Python**:
  - Run the following command to install Python:
    3.
    - `sudo apt install python3`
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4. **Verify Installation**:
   - Type `python3 --version` and press Enter. You should see the installed Python version displayed.

Once Python is installed, you can start using it to run Python scripts, execute commands in the Python interpreter, and develop Python applications on your computer.