Practical No. 1: Install Python IDE

● **Practical related questions**

  1. **Write steps to install python on windows.**
     ➔ 1) Download Python Installer.
        2) Run the Installer
        3) Customize Installation
        4) Installation Process
        5) Verify Installation

  2. **Print the version of Python.**
     ➔ Python 3.12.2

  3. **List key features of python.**
     ➔ 1) Simple and Easy to Learn
        2) Interpreted Language
        3) Dynamically Typed
        4) Object-Oriented Programming
        5) Extensive Standard Library
        6) Platform Independent
        7) Free and Open Source
        8) High-Level Language
        9) Portable

  4. **What are the applications of python ?**
     ➔ 1) Web Development
        2) Data Science and Analytics
        3) Machine Learning and Artificial Intelligence

4) Software Development
5) Networking
6) Cybersecurity and Ethical Hacking
7) Cloud Computing
8) Internet of Things (IoT)

5. State use of pip & pep.
➔

1) **pip** – Used to install, upgrade, and manage Python packages from the Python Package Index (PyPI) and other repositories.

2) **PEP** – Python Enhancement Proposal; used to propose, discuss, and document new features, implementation details, and best practices for the Python language.