**EXPERIMENT: 01**

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**Experiment No**:  
**Branch**: Electronics (EN-1)  
**Software Used**: Thonny

**AIM:**

Python IDE installation, first Python program, and Python comments

**SOFTWARE USED:**

Thonny

**THEORY:**

**1. Introduction to Thonny IDE**

Thonny is a lightweight and beginner-friendly Integrated Development Environment (IDE) for Python. It is designed to simplify the learning process by providing an intuitive interface, built-in debugger, and an easy-to-use package manager. Thonny is an excellent choice for new programmers due to its minimalistic design and helpful features like variable tracking and step-by-step execution.

**2. Installing Thonny IDE**

To install Thonny, follow these steps:

**Downloading Thonny:**

* Visit the official Thonny website: <https://thonny.org>
* Download the appropriate installer for your operating system (Windows, macOS, or Linux).

**Installing Thonny:**

* Run the downloaded installer and follow the installation instructions.
* Once installed, launch Thonny to start coding in Python.

**3. Comments in Python**

Comments are used in Python to enhance code readability by adding explanations or notes. They are ignored during program execution.

* **Single-line comments:** Begin with #, and everything after # on the same line is treated as a comment.
* **Multi-line comments:** Use triple single quotes (''') or triple double quotes (""") to write comments that span multiple lines.

Program:

