1. **Task 1: Software Classification Tynys Assylai, IT2-23**
   * Receive a list of programs and determine which type they belong to (System, Application, Development). Example list:
     + Microsoft Word
     + Ubuntu
     + Visual Studio
     + Kaspersky
   * Record your answers in a table indicating type and purpose.

#### **Step 1: Understanding the Types of Software**

1. System Software: This includes operating systems and utility software. It helps in managing hardware and providing a platform for running application software.
   * Purpose: Manages the hardware and basic system operations.
2. Application Software: These are programs designed for end-users to perform specific tasks like word processing, browsing, etc.
   * Purpose: Perform specific tasks (e.g., creating documents, browsing the web).
3. Development Software: Tools for building and developing software applications. Includes compilers, IDEs, etc.
4. **Purpose: Helps developers create, debug, and maintain software.**

#### **Step 2: Table Format**

| **Program** | **Type** | **Purpose** |
| --- | --- | --- |
| Microsoft Word | Application Software | Word processing software |
| Ubuntu | System Software | Linux-based operating system |
| Visual Studio | Development Software | IDE for developing applications |
| Kaspersky | Application Software | Antivirus software |

1. **Task 2: Working with Different File Formats**
   * Examine a folder containing files with formats: .exe, .zip, .py.
   * Identify the software type and its purpose.
   * Try to install and run files where possible.

**.exe**: Executable files for installing or running software.

**.zip**: Compressed files, can contain software or documents.

**.py**: Python script.

1. **Task 3: Mini-Project**
   * Classify several software products and explain why they belong to a particular type.
   * Present your results in a table and present them to the group.

| **Software** | **Type** | **Pupose** |
| --- | --- | --- |
| Google Chrome | Application | Web browser |
| Windows 10 | System | | Operating system. | | --- | |
| Eclipse IDE | Development | IDE for software development. |

**Google Chrome**

* **Type:** Application
* **Purpose:** A web browser for browsing the internet. It falls under the "Application" category because it's used by users to browse the web.

**Windows 10**

* **Type:** System
* **Purpose:** An operating system that controls hardware resources and allows users to run various applications.

**Eclipse IDE**

* **Type:** Development
* **Purpose:** A software development environment used primarily for Java development, though it supports other programming languages as well.

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