1. **Task 1: Software Classification**
   * 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.

| Software | Type | Purpose |
| --- | --- | --- |
| Microsoft Word | Application | Operating system managing hardware and software. |
| Ubuntu | System | Operating system managing hardware and software. |
| Visual Studio | Development | IDE for software development. |
| Kaspersky | Application | Antivirus software for malware protection. |

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**: Application (Executable program)

**.zip**: Utility (Compressed file archive)

**.py**: Development (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 | Purpose |
| --- | --- | --- |
| PyCharm | Development | Integrated Development Environment (IDE) for Python. |
| Windows 10 | System | |  | | --- |  | Operating system. | | --- | |
| Xcode | |  | | --- |  | Development | | --- | | IDE for macOS and iOS development. |

**1.PyCharm**

**Type**: Development Software

**Purpose**:**PyCharm** is an Integrated Development Environment (IDE) specifically designed for Python programming. Its primary purpose is to help developers write, test, and debug Python applications more efficiently.

**2.Windows 10**

**Type:** System Software

**Purpose**:**Windows 10** is an operating system developed by Microsoft that manages computer hardware and provides an interface for users to interact with the computer.

**3.Xcode**

**Type:** Development Software

**Purpose**:**Xcode** is an Integrated Development Environment (IDE) used for developing software applications specifically for Apple platforms, including macOS, iOS, watchOS, and tvOS.