Optional Task 2 – Python Programming and PyCharm (Educational Edition)

1   The Python Programming Language

Python is a widely used general-purpose, high-level programming language that supports mutliple programming paradigms. Its design philosophy emphasizes code readability. Python interpreters are available for installation on many operating systems, allowing Python code execution on a wide variety of systems.

Action Items

- **Peruse:** The Python Software Foundation website.
  https://www.python.org

2   PyCharm

PyCharm is a Python integrated development environment (IDE) for programming computer software. It is developed by JetBrains. The Educational Edition is free and open source.

Action Items

- **Read:** About PyCharm Educational Edition.
  https://www.jetbrains.com/pycharm-educational/

- **Watch:** Take a tour of PyCharm Educational Edition.
  https://www.youtube.com/watch?v=xCCHIfC-dtA

- **Download and Install:** PyCharm Educational Edition.
  https://www.jetbrains.com/pycharm-educational/

- **Complete:** Introduction to Python in PyCharm.