To develop an artificial intelligence project, every student should be familiar with the fundamentals of Python programming. So you have to **prepare the lab repor**t using Python programming language as described in the following content. Defining each subtopic with at least one Python program example is expected, and you should run the code and record a screenshot of the output in the documentation. All work submitted by a student is expected to be original work done by the individual. Here's an outline that you should follow:

- ✓ An introduction to Python and its importance in the world of programming and artificial intelligence projects.
- ✓ Apply what you've learned by solving one or more programming exercises.
- ✓ Choose an integrated development environment (IDE) or code editor (e.g. Spyder, Visual Studio Code, PyCharm, Jupyter Notebook) and then install Python on your system (if not already done).
- ✓ Python Variables and Identifiers
- ✓ Python Input and output functions
- ✓ Python Comments
- ✓ Python Keywords
- ✓ Python Indentation
- ✓ Python Operators
- ✓ Python String Methods
- ✓ Python Data types
- ✓ Python Type conversion
- ✓ Python Conditions
- ✓ Python Loops
- ✓ Python Functions
- ✓ Python File Handling
- ✓ Python Date and Time
- ✓ Python Libraries

In addition, I recommend you practice with Tkinter, Flask, Django, Python MongoDB, and MySQL which are important for desktop and web-based applications because these frameworks are crucial for your final project implementation.

**Submission Date: March 14, 2024**

**Submit your file via email address: mikrecocinfo@gmail.com**