MIS312 Assignment 1 — Introduction to AI-Assisted Python Programming

Book Alignment: Chapter 1
Primary Goal: Build confidence, understand AI-assisted programming, and learn the OneNote Artifact workflow
Environment: JupyterLab (`.ipynb`)
Submission: OneNote Artifact (PDF)

Learning Objectives

Students will:

- Explain (in plain language) what **AI-assisted programming** is and why it is used
- Run and modify a simple Python program in JupyterLab
- Practice capturing evidence (code + screenshots) in the MIS312 OneNote Artifact format

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Student Tasks

Task 1 — Launch JupyterLab and create your notebook

1. Launch JupyterLab (MIS312 environment).
2. Create a new notebook named: `assignment01_intro.ipynb`

Task 2 — Your first Python run

Run:

```
print("Hello, MIS312!")
```

Modify it to include:

- Your first name
- One reason you are taking MIS312

Example:

```
print("Hello, MIS312! My name is Pat and I'm taking this course to learn practical programming
```

Task 3 — Variables + print (very small)

Add:

```
course = "MIS312"
```

```
semester = "Spring 2026"
print("Course:", course)
print("Semester:", semester)
```

Change the values, re-run, and confirm you see updated output.

Task 4 — One AI interaction (required)

Ask one AI tool:

> "Explain what this Python code does in simple beginner-friendly terms."

OneNote Artifact Requirements

- Task Summary (3–5 sentences)
- Code Evidence (your notebook cells)
- Execution Evidence (screenshot of output)
- AI Interaction (prompt + summary)
- Reflection:
    - o What felt easy?
    - o What felt confusing?
    - o What did the AI explanation help you understand?

Instructor Notes

Grade lightly. A strong artifact matters more than sophisticated code.

```
semester = "Spring 2026"
print("Course:", course)
print("Semester:", semester)
```