MIS312 Assignment 2 — Using Copilot and Reading Code

Book Alignment: Chapter 2
Primary Goal: Collaborate with Copilot/AI and begin reading code line-by-line
Environment: JupyterLab (`.ipynb`)
Submission: OneNote Artifact (PDF)

Learning Objectives

Students will:

- Observe how AI suggests code from a clear prompt/comment
- Decide when to accept, reject, or modify AI suggestions
- Explain what each line of a simple program does

Student Tasks

Task 1 — Generate a small program with AI assistance

Create: `assignment02_copilot.ipynb`

Type ONLY this comment first:

```
# Write a Python program that asks for a user's name and prints a greeting.
```

Use Copilot or the MIS312 AI Assistant to produce code, then run it.

Task 2 — Improve the program

Modify it to:

- Ask for the user's name
- Ask for the user's favorite food (or hobby)
- Print a friendly message using both inputs

Task 3 — Code reading

Add comments explaining what each line does (focus on `input()`, variables, and `print()`).

Task 4 — AI improvement (required)

Ask:

"Suggest one improvement to make my program clearer or more user-friendly for a beginner."

Implement exactly one improvement and re-run.

OneNote Artifact Requirements

- Screenshot showing successful output
- Code snippet with your line-by-line comments
- AI prompt + summary
- Reflection:
    - When was AI helpful?
    - What did you choose to change yourself?

Instructor Notes

Reward judgment (not blind copying). Require at least one meaningful improvement.