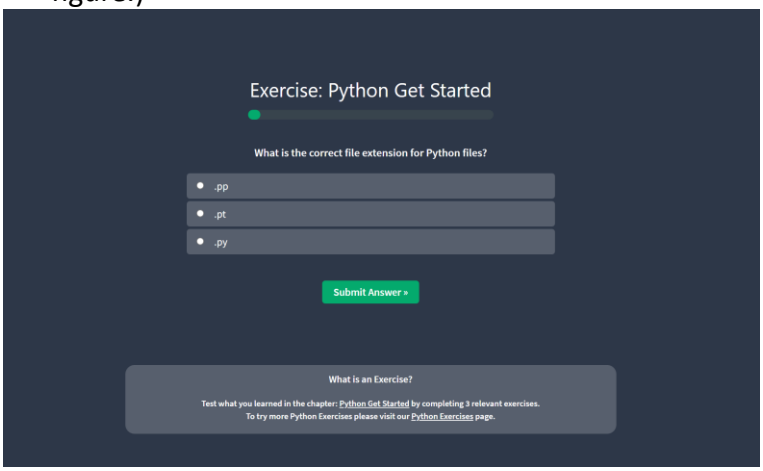
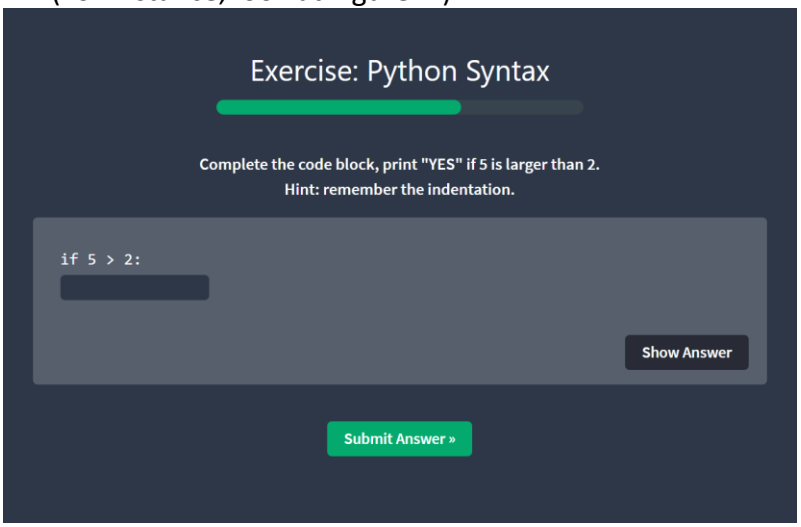
2025-2026

Welcome to the first Lab session of CO3519 module.

For Two Hours Lab Session:

Task	Time	Guidance
Warm Up exercise	55 Minutes	(LINK) • Please follow this link where you will find PYTHON EXERCISE under PYTHON EXAMPLES. This exercise will help you get prepare for the lab's sessions, Tasks, assignments, etc. • In this exercise, you will get start from very basic and easy questions and you must choose the right answer from the choices. (For instance, Look figure at below figure.)  • You will also see the correct answers for these questions. (For instance, look at Figure 2.) 
	5 Minutes	Please feel free to ask any question.

	10 Minutes	Break
Start with Google Colab	25 Minutes	(LINK) Please follow this link and go through these pages while working. Page 3-7, Page 11-13, Page 23-24, Page 36
Python with Numpy and important data types.	20 Minutes	(LINK) Please follow this link as follows: ➢ Introduction (Skip it) ➢ Basics of Python (Skip it) ➢ NumPy (Start working on it) and go through Arrays, datatypes, array math, and Matplotlib

For One Hour Lab Session:

Task	**Time**	**Guidance**
Please repeat the first task (Warm Up exercise task) from the one hour's lab session.	55 Minutes	Follow the same steps as given for first task of two hours sessions.
	5 Minutes	Please feel free to ask any question.