

Week 3 Lab Agenda

This note can be downloaded <https://file.yehboi.my/expert-system/>

Web Server testing for **Dean List Ceremony Attendance System**

Tutorial-Theory (40 Minutes):

- Lab 3: **Question:** 1, 4, 5, 6

Question 4-6 will be discussed in detail (Discrete Math)

Questions not mentioned here are provided as **take-home exercise**. The answers can be found in the lecture slides. [**REVISION MATERIAL** for your Written Test]

Hands-on lab (40 Minutes): Collaborative GitHub Repository

- **One** group member or **Leader** create a GitHub Repository named “**lab_collab**”
- Invite all group members to the repository:
 - 1) Go to the github.com and open the repo created earlier
 - 2) Go to Setting -> Collaborators
 - 3) Add your group member [Insert Their Email Address]
- a simple rule-based Expert System with **User Interface** using **Python**
 1. Library/Module Required: tkinter & clipspy (Expert System)
 2. Build a covid-19 diagnosis expert system with 2 rules/knowledge base (**No restriction on type of rules**)
 3. Ensure all the group members have access to clone the repository
 4. You may use generative AI tools to complete this task: Code Agent, GitHub Co-pilot, etc..

[**Note:** This is not a programming class, Hence, Generate AI tools are allowed to learn software source code management in collaborative environment]

Explain in your own words (30 Minutes):

Any questions from the following list will be asked during this activity:

Lecture 1	Lecture 2
<ul style="list-style-type: none">• What is Expert System• Domain Expert & Knowledge Engineer• Refraction	<ul style="list-style-type: none">• Adaptive Expert System & Machine Learning System• What's the difference between Logic-based & Semantic Network-based expert system