BCIT, COMP 4912 - <mark>LAB #4</mark>
Winter 2025

1. Objectives

At the end of this lab, you will get familiar with Ansible/Terraform and its applications by walking through scenarios introduced in the given videos.

2. Task

For this lab, please watch the following videos on YouTube:

> **Link1**: https://www.youtube.com/watch?v=5hycyr-8EKs
> Title: **You Need to Learn Ansible Right Now!!**
> Creator: **NetworkChuck**
>
> **Link2**: https://www.youtube.com/watch?v=a3vVUiLzm8w
> Title: **Infrastructure as Code with Terraform & AWS**
> Creator: **John Hammond**

After watching the videos (suggest to watch it more than once), try to repeat the instructions on your own computer (and using your AWS/Linode accounts) to generate a thorough report with technical details/evidence.

3. Expected Outcome

3.1. **Individual Report Requirement**
Each student must submit an individual report for every lab. Collaboration on reports is not allowed, but you can discuss concepts with classmates.

3.2. **Report Content**
- **Screenshots**: Include screenshots of each step, including the commands you used and the corresponding output.
- **Challenges and Solutions**: If you encounter challenges while following the instructions on your computer, describe it in your report along with the solutions you applied to resolve them.

3.3. **Organization and Quality**
- Divide your report into sections corresponding to each task in the lab.
- At the end of your report, write a summary highlighting the tasks completed, and your observations.
- Ensure your report is clear, well-written, and well-organized.

3.4. **Deadline**

Submit your report before the deadline. Late submissions may not be accepted unless prior arrangements are made.

3.5. **Troubleshooting Guidance**
- If you face an issue, start by researching solutions using Google, community forums, or tools like ChatGPT.
- Take time to investigate and understand the problem thoroughly.
- If you cannot resolve the issue, share your question along with a detailed explanation of what you've already tried with your classmates and me.
- Remember, It is very important to attempt some independent research before asking for help with any project-related questions.