**PE03: Programming Exercise**

**Instruction**

**Resource:**

Jenkins(n.d), Installing Jenkins, <https://www.jenkins.io/doc/book/installing/>

Your task for this Programming Exercise is to achieve a similar behavior as HOS03A but with a different port number along with the jenkins-data folder name for Jenkins service by editing the docker-compose.yaml file, and show the result.

1. Follow HOS03A tasks.

1. Modify the HOS03A file to have a different exposed port number along with the host os folder which holds onto Jenkins data. For example, change “docker-compose.yml” to achieve a given task.
2. Create a new GitHub repository that contains docker-compose.yml and Dockerfile changes.

**Submit the items below to the PE submission page:**

1. The GitHub link of your Jenkins Dockerfile, docker-compose.yml script commits.
2. Provide a 20 to 50 words analysis or thoughts for setting up a local web application using docker-compose with the screenshot after completing task step 2.
3. Make sure the PE module number and your name are written on the file name (e.g., "*PE01\_YourName.docx").*