**PE05: Programming Exercise**

**Instruction**

**Resource:**

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

Your task for this Programming Exercise is to achieve a similar behavior as HOS05A but edit the Jenkinsfile to do a certain task.

1. Follow HOS05A tasks.

1. Modify the HOS05A jenkins\_test repository committed Jenkinsfile file to have different **steps as the following** contents.
   1. Change the name of the Docker Hub registry to **flask\_docker\_ver\_2** within your User Docker Hub repo. For example, we currently have stated to push to {Docker\_hub\_User\_name}/flask\_docker
   2. Change steps so that we push the image two times. Currently, we are pushing the image once.
2. Download your jenkins\_test content.
3. Create a new GitHub repository and push your work.

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

1. The GitHub link of your PE05 contents.
2. Provide a 20 to 50 words analysis or thoughts on CICD 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").*