Subject: Devops

List of Experiments for final practical examination

1. Demonstrate use of git commands to push and pull 3 html files from Github account.

2. Demonstrate Building java program (addition of 2 numbers) through Jenkins.

3. Demonstrate Continuous Integration process in Jenkins. Build a java program every 2 minutes (addition of two numbers) residing in Github repository.

4. Demonstrate CI/CD in Jenkins. Consider 3 html files in Github repository and write a scripted pipeline to deploy on Xampp server. code on jenkins

5. Demonstrate CI/CD in Jenkins. Consider 3 html files in Github repository and write a declarative pipeline to deploy on Xampp server. code on GitHub

6. Write a Selenium script to perform automated testing.

7. Create an image of php project and push on Dockerhub repository.

8. Demonstrate use of docker commands to pull ubuntu official image, create a file and push updated image on Dockerhub.

Note: Supporting tools required for executing above programs will be installed by students (in case if any tool is missing) on allotted PC.