

#### Experiment No. 4: To install Jenkins and configure parallel jobs for building pipeline

##### Steps:

- 1) Create 3 Jobs: Testing, Staging and Production
- 2) Add build step for each and choose “Execute Shell” option
  - a. For Testing:

```
sleep 10  
echo “This is testing phase”
```
  - b. For Staging:

```
sleep 10  
echo “This is staging phase”
```
  - c. For Production:

```
sleep 10  
echo “This is production phase”
```
- 3) Go to “Testing” > Configure > Add post build action > build other project and select “Staging”. Do the same for “Staging” but here use “build other project (manual step)” and select “Production”
- 4) Go to Dashboard and create a new “Build Pipeline View”. Select “Testing” as the “Select Initial Job”
- 5) Run and keep refreshing till the pipeline is executed. Manually run the Production project.
- 6) In the Staging project, change the post build action from “build other project (manual step)” to “build other project”.
- 7) Select “Production” in projects to build and re run the pipeline. (This is time manual intervention is not needed for production)
- 8) For Parallel Jobs, create a new job and add it to the post build action of Testing.
- 9) Run the pipeline again and keep reloading.