Lab Experiment-7
Create pipeline using Blue Ocean Plugin

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COURSE – B. Tech CSE- DevOps Batch 1

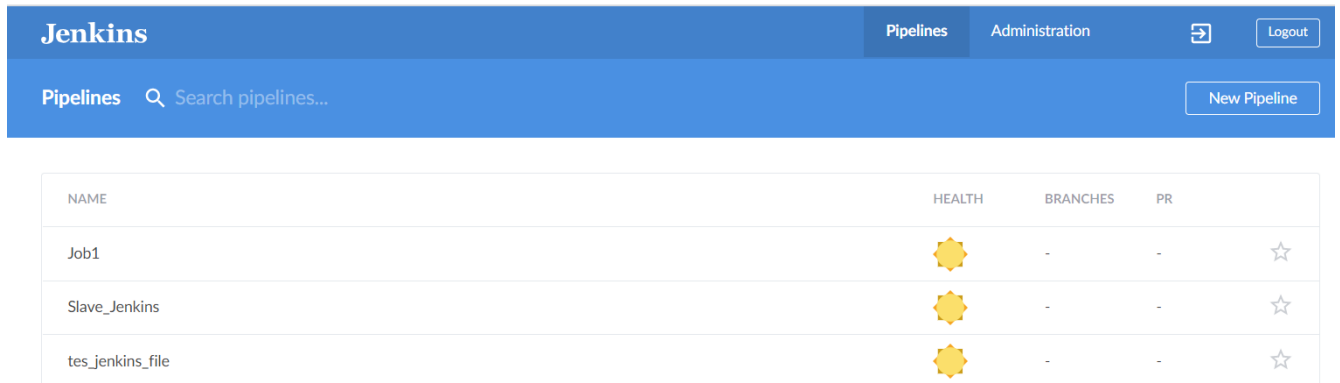**SUBJECT** – Continuous Integration and Deployment

SEMESTER – 5th semester

Submitted To:

Hitesh Kumar Sir

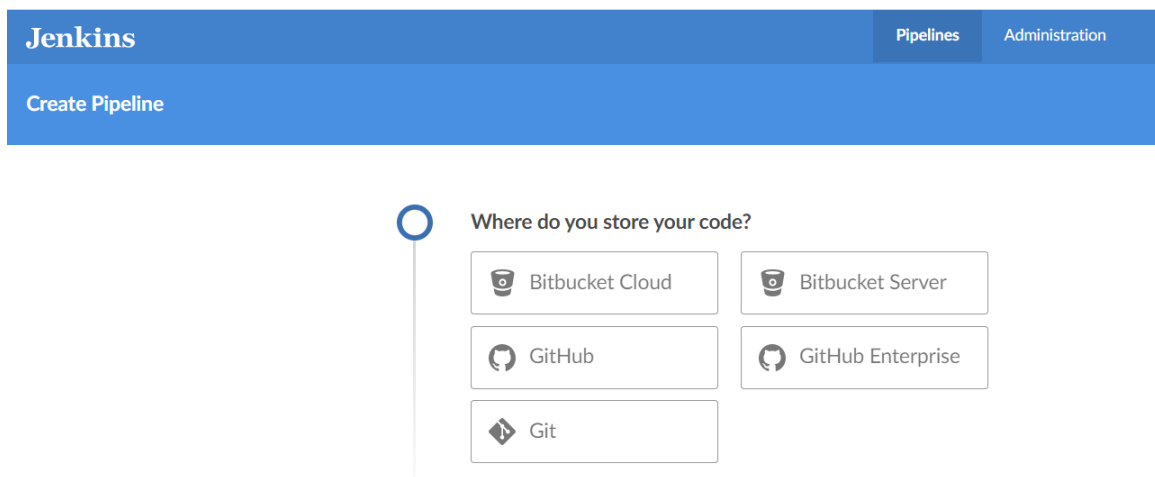# Experiment for demonstrating how to create pipeline using Blue Ocean Plugin

- Download Blue Ocean plugins from Manage Jenkins and you will find Open Blue Ocean in the Dashboard. Click on that and you will end up here. Create a new pipeline.

- After that you will see this, choose the appropriate Open Source software and repository.

Which organization does the repository belong to?

Divyaansh313

csdv1003

stormsinbrewing

Choose a repository

Loaded 95 repositories

Q Search...

28janwork

500071246

AAKARSHIT

abhijeet

Create Pipeline

- After selecting you will have to create a token in GitHub(or any chosen platform).

Settings / Developer settings

GitHub Apps

OAuth Apps

Personal access tokens

New personal access token

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

Note

Blue Ocean

What's this token for?

Select scopes

Scopes define the access for personal tokens. Read more about OAuth scopes.

☑ **repo**		Full control of private repositories
	☑ repo:status	Access commit status
	☑ repo_deployment	Access deployment status
	☑ public_repo	Access public repositories
	☑ repo:invite	Access repository invitations
	☑ security_events	Read and write security events
☐ **write:packages**		Upload packages to github package registry
☐ **read:packages**		Download packages from github package registry
☐ **delete:packages**		Delete packages from github package registry
☐ **admin:org**		Full control of orgs and teams, read and write org projects
	☐ write:org	Read and write org and team membership, read and write org projects
	☐ read:org	Read org and team membership, read org projects

☐ gist	Create gists	
☐ notifications	Access notifications	
☐ user	Update all user data	
☑ read:user	Read all user profile data	
☑ user:email	Access user email addresses (read-only)	
☐ user:follow	Follow and unfollow users	
☐ delete_repo	Delete repositories	
☐ write:discussion	Read and write team discussions	
☐ read:discussion	Read team discussions	
☐ admin:enterprise	Full control of enterprises	
☐ manage_billing:enterprise	Read and write enterprise billing data	
☐ read:enterprise	Read enterprise profile data	
☐ workflow	Update github action workflows	
☐ admin:gpg_key	Full control of public user gpg keys (Developer Preview)	
☐ write:gpg_key	Write public user gpg keys	
☐ read:gpg_key	Read public user gpg keys	

Generate token   Cancel

- After the token is created, you will get this.

GitHub Apps

OAuth Apps

Personal access tokens

Personal access tokens   Generate new token   Revoke all

Tokens you have generated that can be used to access the GitHub API.

Make sure to copy your new personal access token now. You won't be able to see it again!

✓ d61e614a518e0e11dc08e430b33a7b709c096055 📋   Delete

git: https://github.com/ on LAPTOP-L1FIDIQ4 at 23-Nov-2019 16:13 — *gist,*   Last used within the last 4 months   Delete
repo

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

- Copy this token and paste in the Blue Ocean pipeline.

- The pipeline is created and it will show some status like this.

- After the successful build, you will see something like this.

- You will see a successful build when you click on the commit id.

Branch: master ↗   ⏱ 16s   No changes
Commit: da64818   🕓 a minute ago   Replayed #1

Start   Build   Test   End
  ●─────────────✓────────────✓────────────●

Test - 8s   ↻ Restart Test ↗ ↓

✓ ⌄ mvn clean — Windows Batch Script   8s

```
 1    C:\Users\ASUS\.jenkins\workspace\tes_jenkins_file_master>mvn clean
 2    [INFO] Scanning for projects...
 3    [INFO]
 4    [INFO] ----------------< test.jenkinsfile:test.jenkinsfile >-----------------
 5    [INFO] Building test.jenkinsfile 0.0.1-SNAPSHOT
 6    [INFO] --------------------------------[ jar ]---------------------------------
 7    [INFO]
 8    [INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ test.jenkinsfile ---
 9    [INFO] ------------------------------------------------------------------------
10    [INFO] BUILD SUCCESS
11    [INFO] ------------------------------------------------------------------------
12    [INFO] Total time:  0.765 s
13    [INFO] Finished at: 2020-09-18T11:36:54+05:30
14    [INFO] ------------------------------------------------------------------------
```