**DevOps Pipeline of node-hello app (Assignment)**

Here I have created DevOps pipeline for node-hello app

**Below are the automation flow of CICD**

*Step 1: Whenever any changes done on repository, it will start the job using scmpoll*

*Step 2: Here First it will deploy the changes on stage environment*

*Step 3: Then it will download test project for test repository*

*Step 4: It will start testing on stage*

*Step 5: If testing is passed, Then it will start deploying on production*

**Notes:**

*Here Ansible is used for Configuration and Deployment automation*

*Ansible playbook role is available in below directory on root of the project*

*Directory Name: NodeAppInstallationUsingAnsible*

*CI CD pipeline (Jenkinsfile) is used for achieving DevOps cycle*

*Jenkinsfile is available in root of the project*

*Filename: jenkinsfile*

**To configure hostname or ip address:**

*Give stage hostname/ipaddress in stagehosts file*

*Give production hostname/ipaddress in productionhosts file*

**Tags used here:**

*nodejs – To configuring nodejs in server*

*deployapp – To deploying the node-hello app*

*runapp – To run the app*

**Ansible command to deploy on stage:**

*ansible-playbook NodeAppInstallationUsingAnsible/installNodejs.yml -i NodeAppInstallationUsingAnsible/stagehosts --tags nodejs,deployapp,runapp*

**Ansible command to deploy on production:**

*ansible-playbook NodeAppInstallationUsingAnsible/installNodejs.yml -i NodeAppInstallationUsingAnsible/productionhosts --tags nodejs,deployapp,runapp*