**Docker Task**

* **Docker hub:**
* Sign in into docker hub account.
* Click on docker hub
* Click on create repository
* Enter repository name (uat)
* Click on create repository
* Uat repository created.
* **AWS Account:**
* Sign in into aws account
* Launch one ec2 instance (docker 1)
* Select amazon linux
* Select t2 micro
* Click on create new pair
* Enter key name(docker1\_key)
* Click on create key pair
* Key downloaded in the download folder.
* Click on launch instance.
* **Connecting with gitbash:**
* Open file explorer
* Click on downloads
* Right click-click on new folder-enter folder name(docker1\_key)
* Copy and paste the key into new folder.
* Click on right button
* Show more options
* Click on connect gitbash here
* Go to ec2 instance-click on connect
* Copy third command and example command
* Paste the two copy commands one by one.
* **Install docker and java:**
* Sudo yum update
* sudo dnf install java-17-amazon-corretto -y
* Java –version
* Yum install –y docker
* Docker –version
* Service docker start
* Sudo systemctl start docker
* Sudo systemctl enable docker
* Sudo systemctl status docker
* **Pull and push jenkins images:**
* sudo usermod -aG docker $USER
* newgrp docker
* Docker pull jenkins/jenkins
* docker run --name jenkins -d -p 8080:8080 --restart=on-failure jenkins/jenkins:lts-jdk17
* Docker ps
* Docker login
* docker tag jenkins/jenkins:latest bhavya503/uat:jen
* docker push bhavya503/uat:jen
* **How access jenkins image through port number:**
* Go to ec2 instance click on security click on edit inbound rules.
* Click on down arrow –click on all traffic- click on another down arrow- click on ipv4-click on save rules.
* Copy instance public ip and paste it in chrome with :8080. Enter
* Jenkins image displayed.