

DAY 3

The screenshot shows the Jenkins Configuration page for a pipeline named 'simple_tomcat_application'. The left sidebar has a 'Configure' section with tabs for 'General', 'Triggers', 'Pipeline', and 'Advanced'. The 'Pipeline' tab is selected. The main area shows the 'Repositories' section with a 'Repository URL' field containing 'https://github.com/ROSHNIMAGESH/DevOps_Guvi.git'. Below this is a 'Credentials' dropdown menu set to 'none'. There is an 'Add' button and an 'Advanced' dropdown. The 'Add Repository' section is empty. The 'Branches to build' section has a 'Branch Specifier (blank for \'any\')' field set to '/main'. There is an 'Add Branch' button. The 'Repository browser' dropdown is set to '(Auto)'. The 'Additional Behaviours' section has an 'Add' button. The 'Script Path' field is set to 'jenkinsfile'. At the bottom, there is a checkbox for 'Lightweight checkout' which is checked.

The screenshot shows the Jenkins build #5 details page. The top bar has the Jenkins logo and the text 'Jenkins'. The right side of the top bar has a search icon, a shield icon with a red exclamation mark, a user profile icon for 'ROSHNI MAGESH', and a 'log out' link. The breadcrumb trail is 'Dashboard > simple_tomcat_application > #5'. The left sidebar has a 'Status' tab selected, and a list of links: 'Changes', 'Console Output', 'Edit Build Information', 'Delete build \'#5\'', 'Timings', 'Git Build Data', 'Pipeline Overview', 'Pipeline Console', and 'Restart from Stage'. The main area shows a green checkmark icon and the text '#5 (Mar 19, 2025, 10:47:14 AM)'. There are two buttons: 'Add description' and 'Keep this build forever'. Below this, it says 'Started by user ROSHNI MAGESH' and 'Started 37 sec ago Took 25 sec'. A clock icon indicates 'This run spent: 17 ms waiting; 25 sec build duration; 25 sec total from scheduled to completion.' Below this, a 'git' icon indicates 'Revision: 8bdc5edc1c30df3c2d8e2eff0c5807f47513fc88' and 'Repository: https://github.com/ROSHNIMAGESH/DevOps_Guvi.git'. A list of refs/remotes/origin/main is shown. At the bottom, a code icon indicates 'No changes.'

```
sudo apt install fontconfig openjdk-17-jre
```

```
java -version
```

```
sudo service Jenkins restart
```

```
sudo service Jenkins status
```

DOCKER

```
sudo apt install docker.io -y
```

```
sudo service docker restart
```

```
sudo service docker status  
sudo usermod -aG docker $USER  
docker images  
docker ps  
sudo chmod 666 /var/run/docker.sock
```

KUBECTL

```
curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl  
sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl  
kubectl version --client
```

MINIKUBE

```
curl -LO https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux-amd64  
sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64  
minikube start  
minikube status  
kubectl get pod  
kubectl get deploy  
kubectl get replica  
kubectl get pod -o wide  
docker exec -it david-db-1 /bin/bash
```

DOCKER-COMPOSE

```
sudo curl -L "https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
```