DEVOPS TASK-2

1)INSTALLATION OF DOCKER

sudo apt install docker.io

docker –version

sudo systemctl start docker
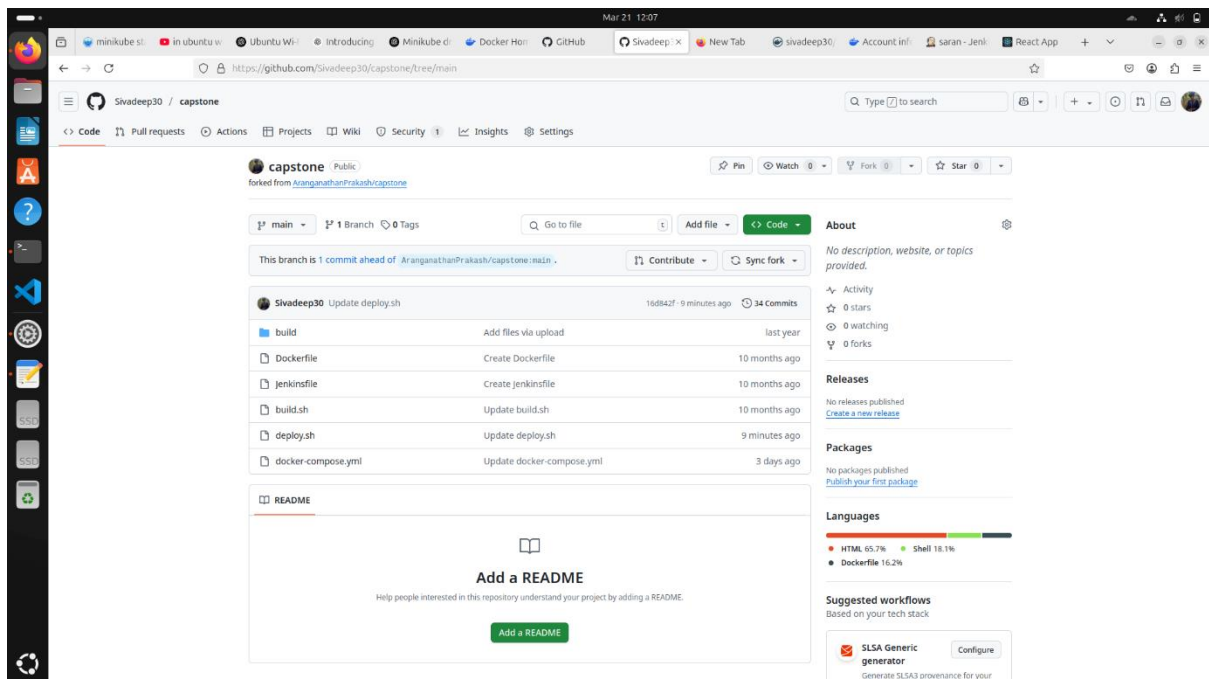
sudo systemctl enable docker

sudo systemctl status docker

2)Fork a copy of a GitHub repo which contains the necessary files which will result in the clone of that repo in our own repository

3) In Jenkins, create a new item (Job) with a type pipeline and add the copied GitHub url to it with the correct branch and Jenkinsfile.

Configure

- ⚙️ General
- ⏱️ Triggers
- **Pipeline**
- 🔧 Advanced

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script from SCM ▼

SCM ?

Git ▼ ?

Repositories ?

Repository URL ? ✕

https://github.com/Sivadeep30/capstone.git

Credentials ?

- none - ▼

+ Add

Advanced ⌄

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ? ✕

*/main

Save Apply

---

4)i have created two pipeline here

Jenkins

🔍 🛡️ 1 👤 Sivadeep ⌄ ⬋ log out

- 📄 Status
- </> Changes
- ▷ Build Now
- ⚙️ Configure
- 🗑️ Delete Pipeline
- 📚 Stages
- ✏️ Rename
- ❓ Pipeline Syntax

✅ **saran**

✏️ Add description

Permalinks

- Last build (#1), 4 hr 16 min ago
- Last stable build (#1), 4 hr 16 min ago
- Last successful build (#1), 4 hr 16 min ago
- Last completed build (#1), 4 hr 16 min ago

Builds ⋯ ↻

🔍 Filter /

Today

✅ #1 12:01 PM ⌄

Docker Home | sivadeep30 (sivadeep | Introducing ChatGPT | Simple Flask Code | docker Config [Jenkin | docker - Jenkins | localhost:5000/ | docker buildx build | (

○ 🔒 localhost:8080/job/docker/

Jenkins

Dashboard > docker >

✓ docker

Add description

Permalinks

- Last build (#7), 9 min 40 sec ago
- Last stable build (#7), 9 min 40 sec ago
- Last successful build (#7), 9 min 40 sec ago
- Last failed build (#6), 10 min ago
- Last unsuccessful build (#6), 10 min ago
- Last completed build (#7), 9 min 40 sec ago

Status
Changes
Build Now
Configure
Delete Pipeline
GitHub
Stages
Rename
Pipeline Syntax
GitHub Hook Log

Builds

Filter

Today
- ✓ #7 3:55 PM
- ✗ #6 3:54 PM
- ✗ #5 3:54 PM
- ✗ #4 3:54 PM
- ✗ #3 3:47 PM
- ✗ #2 3:43 PM
- ✗ #1 3:41 PM

REST API   Jenkins 2.502

Docker Home | sivadeep30 (sivadeep | Introducing ChatGPT | Simple Flask Code | docker Config [Jenkin | docker Config - Jenki | localhost:5000/ | docker buildx build | (

○ 🔒 localhost:8080/job/docker/configure

Dashboard > docker > Configuration

Configure

General
Triggers
Pipeline
Advanced

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script

Script ?

```
1  pipeline {
2      agent any
3
4      stages {
5          stage('Checkout') {
6              steps {
7                  git branch: 'main', url: 'https://github.com/sivadeep30/devop.git'
8              }
9          }
10
11
12
13          stage('Build Docker Image') {
14              steps {
15                  sh 'sudo -u jenkins docker build -t my-python-app .'
16              }
17          }
18
19          stage('Run Application') {
```

☑ Use Groovy Sandbox ?
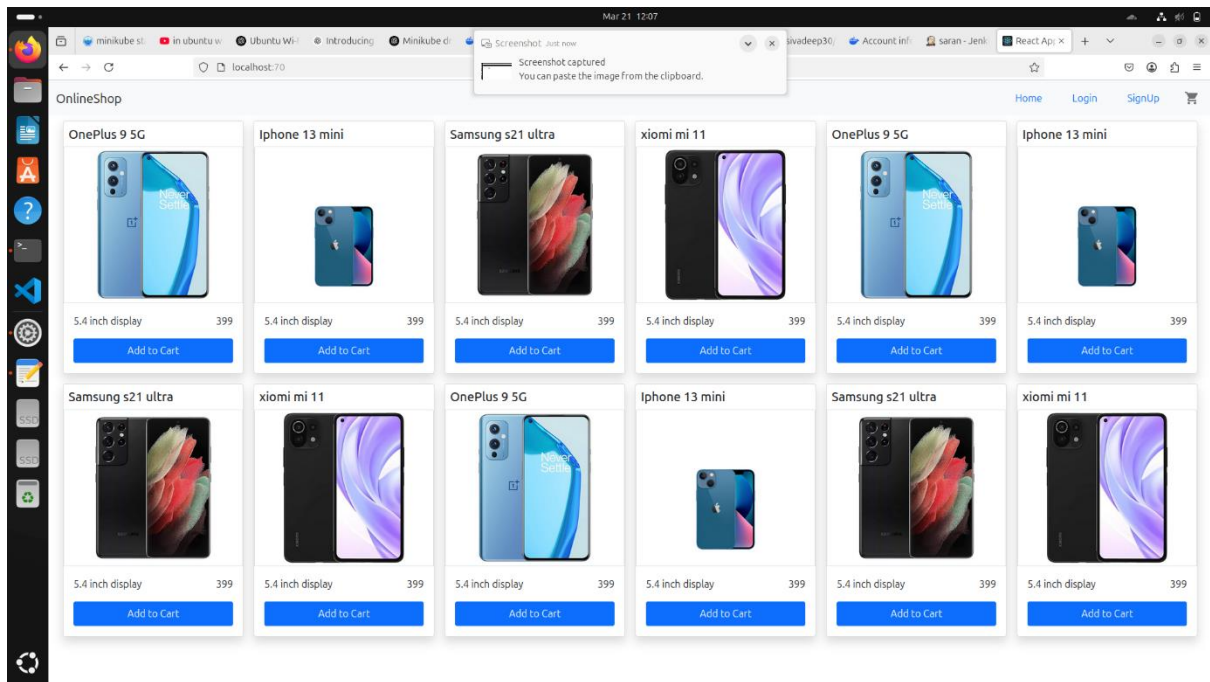
Pipeline Syntax

Advanced

Advanced ⌄

[Save] [Apply]

REST API   Jenkins 2.502

o/p:For named shyam

And another one named docker