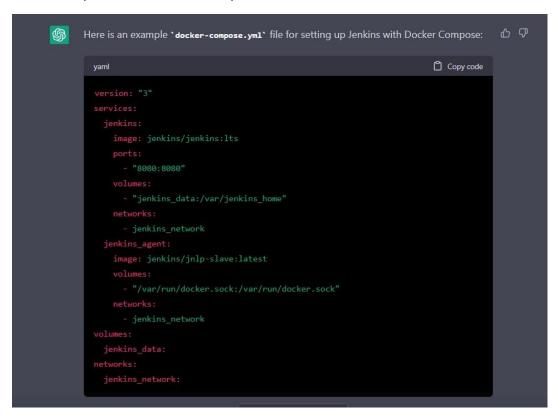
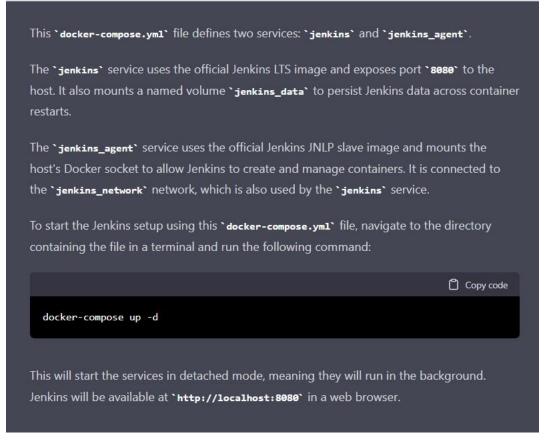
Jenkins using ChatGPT

1. Docker compose file for Jenkins Setup:





1. Install and check if docker compose is installed in our system:

```
> docker-compose -v
Docker Compose version v2.0.0
```

Create a new directory and create a "docker-compose.yml" file and add the following content:

```
> mkdir jenkins
> mkdir ~/jenkins_home
> cd jenkins
# docker-compose.yml
version: '3.7'
services:
  jenkins:
    image: jenkins/jenkins:lts
    privileged: true
    user: root
    ports:
      - 8080:8080
      - 50000:50000
    container_name: jenkins-lts
    volumes:
      - ~/jenkins home:/var/jenkins home
      - /var/run/docker.sock:/var/run/docker.sock
      - /usr/local/bin/docker:/usr/local/bin/docker
```

3. We launch the container using the following command:

```
> docker-compose up -d
```

4. Once the container is up and running. We copy the administrator password from the following path, this will be required to login to the Jenkins dashboard.

```
docker exec jenkins-lts cat /var/jenkins_home/secrets/initialAdminPassword
```

5. Open the browser and go to http://localhost:8000/. Login page for Jenkins will open. Paste the copied password and we will be logged into Jenkins, from where we can install the plugins and start using Jenkins.

2. Dockerfile for Jenkins Setup:

