

36. Demonstrate use of bug tracking tool and create the docker image of that tool. Push that image.

Run the docker container from recently created image and run that docker container.

Push that image.

1. Install the docker . For installation follow below commands

```
sudo apt-get update
sudo apt-get install apt-transport-https ca-certificates curl software-properties-common
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable"
sudo apt-get update
sudo apt-get install docker-ce
sudo docker --version
```

2. we are using redmine tool as bug tracking tool

create a folder for that and create dockerfile

```
mkdir my-redmine
cd my-redmine
```

touch Dockerfile

dockerfile content :

```
# Use the official Redmine image from Docker Hub
FROM redmine:latest

# Set environment variables if needed (optional)
# ENV REDMINE_DB_MYSQL=mysql
# ENV REDMINE_DB_PASSWORD=yourpassword

# Expose the necessary ports
EXPOSE 3000
```

3. run the dockerfile

```
sudo docker build -t my-redmine
```

4. run the docker container

```
sudo docker run -d --name redmine -p 3000:3000 my-redmine
```

5. login to your docker container

```
sudo docker login
```

6. enter you credentials on browser

7. after that you need to push this image on docker

```
sudo docker tag my-redmine yourusername/my-redmine:latest
```

```
sudo docker push yourusername/my-redmine:latest
```

change youusername with you username

```
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.47/images/my-redmine/tag?repo=chinmaymalakr%2Fmy-redmine&tag=latest": dial unix /var/run/docker.sock: connect: permission denied
chinmay@ubbu:~/my-redmine$ sudo docker tag my-redmine chinmaymalkar/my-redmine:latest
chinmay@ubbu:~/my-redmine$ sudo docker push chinmaymalkar/my-redmine:latest
The push refers to repository [docker.io/chinmaymalkar/my-redmine]
0e6a50d158d9: Mounted from library/redmine
3bb225f24ff5: Mounted from library/redmine
90745c4614ed: Mounted from library/redmine
17aa524e624d: Mounted from library/redmine
5cd3c5af73d7: Mounted from library/redmine
229d8b513c2d: Mounted from library/redmine
f4b71fac53b1: Mounted from library/redmine
f833260985e9: Mounted from library/redmine
7077845c02f9: Mounted from library/redmine
f48387c15c2f: Mounted from library/redmine
3eb6c0c24164: Mounted from library/redmine
96fb42ad07cf: Mounted from library/redmine
98b5f35ea9d3: Mounted from library/redmine
latest: digest: sha256:db41a18fa4b6f08faafc61f685773ea5ff40cddb17d8a255a0257dc0341b6065 size: 3045
chinmay@ubbu:~/my-redmine$
```

8. you can check redmine is running on you docker hub or <http://localhost:3000>.

