IMPLEMENTATION BY USING DOCKER SWARM

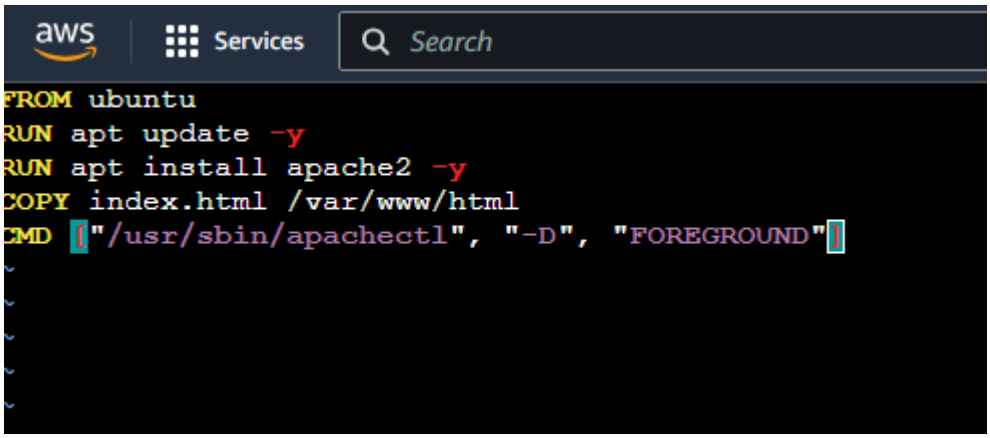
Step 1: Launch one instance and connect with the created instance.

- Switch to the root user by using the command **“sudo su –“**.

Step 2: Install the docker in a terminal and start the docker and check the status by using the following commands.

- **yum install docker** - Install docker
- **systemctl start docker** -To start docker
- **systemctl status docker** -To check the status of docker

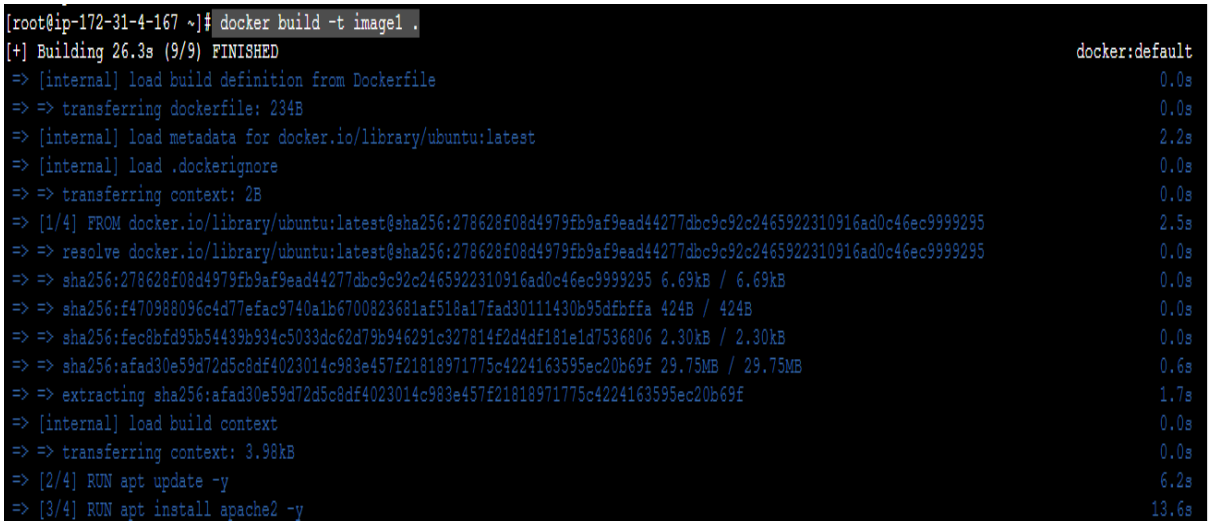
Step 3:Create the docker file by using the command **“vi Dockerfile”** in that you may perform the following instruction as shown in the below figure.



Step 4: Perform the command called **“vi index.html”.** Here insert the html code in that as shown in the below figure.

Step 5: Build the image by using the command.

- **“docker build -t image1 .”** as shown in the below figure.



Step 6: Switch to the docker hub and create on repository.

- Switch to the terminal perform the command called **“docker tag image1 haneef945/repo1”.**

Step 7: Perform the command **“docker login”.**

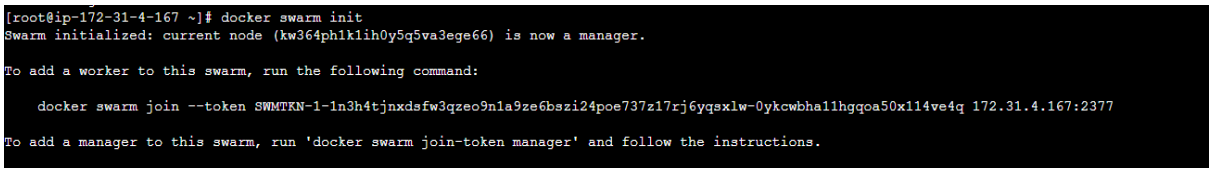
- Here have to provide the username and password of a dockerhub account, Example.
- Username : **********
- Password :**********

Step 8 : Push the image into your docker hub repository by using the following command.

- **“docker tag image1 haneef945/repo1”.**

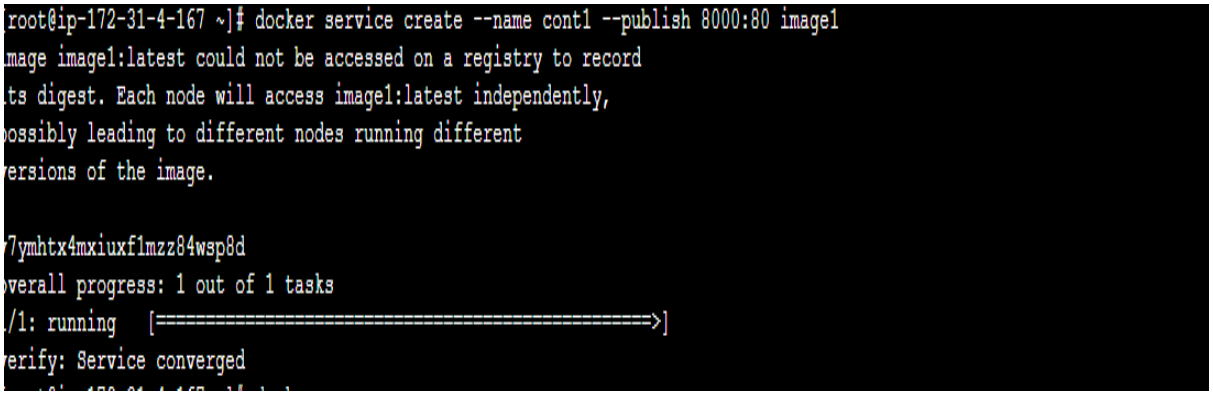
Step 9 : Initalize the swarm docker by using the following command.

- **“docker swarm init”** - Used to create the Manager node and it generates the token as shown in the below figure.

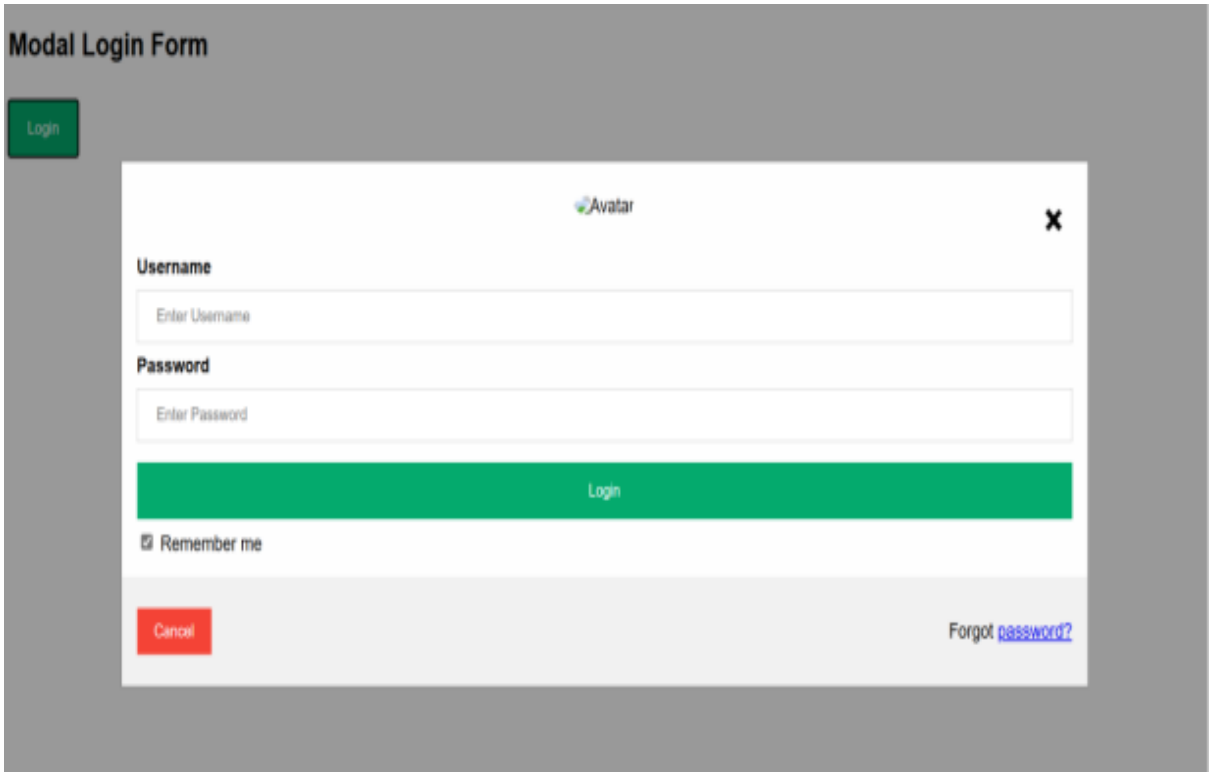


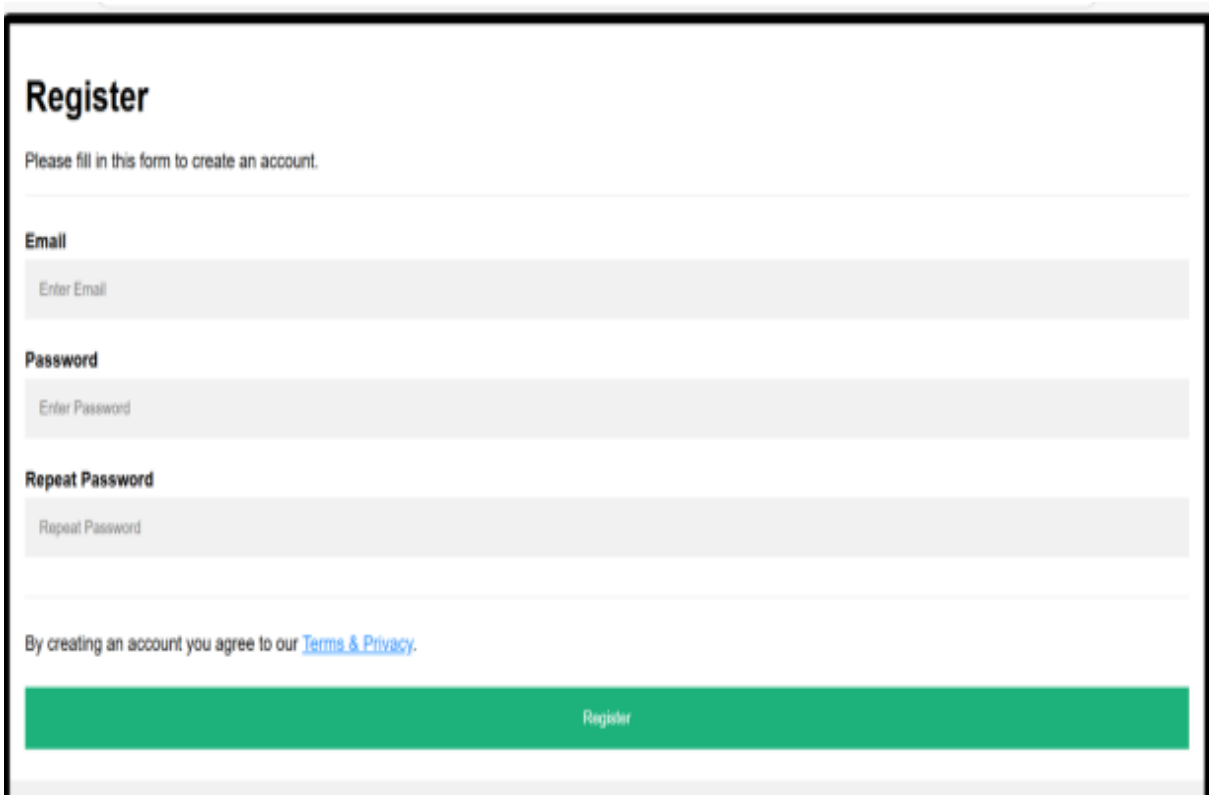
Step 10: Create the service by using the following command.

- **“docker service create –name cont1 –publish 8000:80 image1”.**
- Here the service is created as well as the container also created as shown in the given figure.



- Copy the public IP and enter in a google with the port number you can access output as shown in the figure.




Register
Please fill in this form to create an account.
Email
Enter Email
Password
Enter Password
Repeat Password
Repeat Password
By creating an account you agree to our Terms & Privacy.
Register