Create a Stack using docker-compose

Clone this Git Repo : https://github.com/LovesCloud/Docker-compose-demo.git

$ git clone https://github.com/LovesCloud/Docker-compose-demo.git

Check the folder copied using the command:

$ ls

CD to the folder just cloned from git

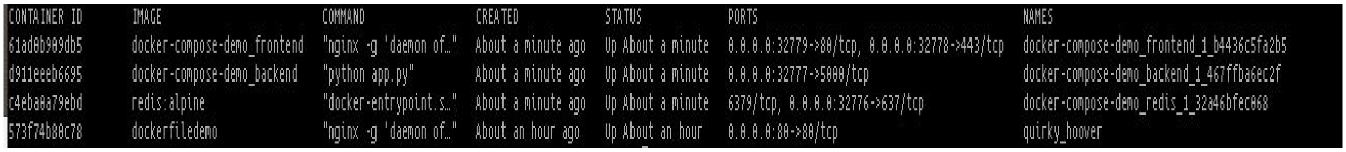
$cd <git repo folder name> (Docker-compose-demo)

Create a docker-compose.yml

$ vim docker-compose.yml

Link to docker-compose file : https://pastebin.com/raw/MirnitU0

$ docker-compose build
$ docker-compose up -d (-d is used to run the stack in detached mode)
$ docker ps



```
CONTAINER ID   IMAGE                        COMMAND                  CREATED              STATUS              PORTS                                          NAMES
61ad0b909db5   docker-compose-demo_frontend "nginx -g 'daemon of…"   About a minute ago   Up About a minute   0.0.0.0:32779->80/tcp, 0.0.0.0:32778->443/tcp  docker-compose-demo_frontend_1_b4436c5fa2b5
d911eeeb6695   docker-compose-demo_backend  "python app.py"          About a minute ago   Up About a minute   0.0.0.0:32777->5000/tcp                        docker-compose-demo_backend_1_467ffba6ec2f
c4eba0a79ebd   redis:alpine                 "docker-entrypoint.s…"   About a minute ago   Up About a minute   6379/tcp, 0.0.0.0:32776->637/tcp               docker-compose-demo_redis_1_32a46bfec068
573f74b80c78   dockerfiledemo               "nginx -g 'daemon of…"   About an hour ago    Up About an hour    0.0.0.0:80->80/tcp                             quirky_hoover
```

Browse to http://<host-address> (IP ADDRESS OF THE EC2 Machine)

Now one last step, We need to push these app to your DockerHub account as these would be required

Later during the Kubernetes lab 4

Tagging the Images

$ docker login (login to the Docker Hub account)

Export your Dockeruser ID as
$ echo $DOCKER_ID_USER
$ export DOCKER_ID_USER=<Your DockerHub UserID>
$ echo $DOCKER_ID_USER

Run the Below command tag all the three containers i.e frondend backend and redis

```
$ docker tag <image name or Image id> $DOCKER_ID_USER/<repo_name> :<tag_name if required or pushing to an existing repo> ( this can be anything)
```

Pusing to DockerHub account.

Again run the Below command to push all the three containers i.e frondend backend and redis

```
$ docker push  $DOCKER_ID_USER/<tag_name>
```