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
61ad8b909db5   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 labs.

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>
```