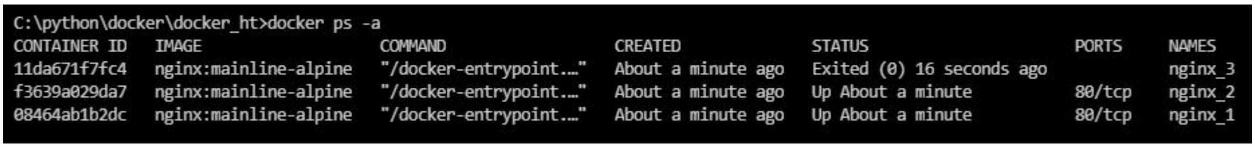
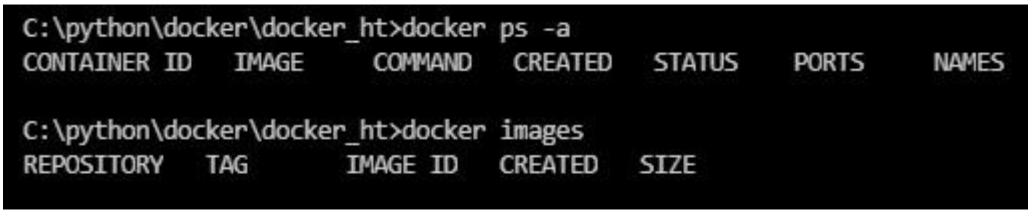
1)



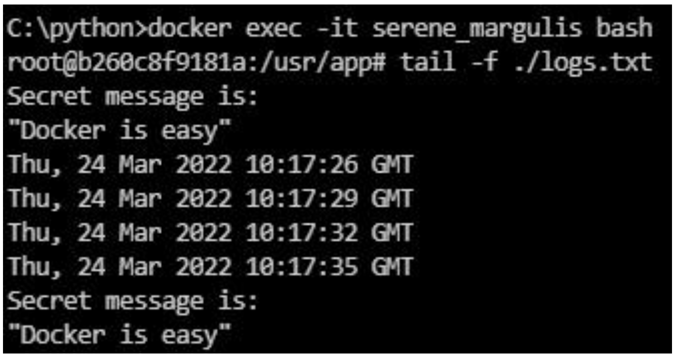
```
C:\python\docker\docker_ht>docker ps -a
CONTAINER ID   IMAGE                  COMMAND                  CREATED              STATUS                      PORTS     NAMES
11da671f7fc4   nginx:mainline-alpine  "/docker-entrypoint.…"   About a minute ago   Exited (0) 16 seconds ago             nginx_3
f3639a029da7   nginx:mainline-alpine  "/docker-entrypoint.…"   About a minute ago   Up About a minute           80/tcp    nginx_2
08464ab1b2dc   nginx:mainline-alpine  "/docker-entrypoint.…"   About a minute ago   Up About a minute           80/tcp    nginx_1
```

2)

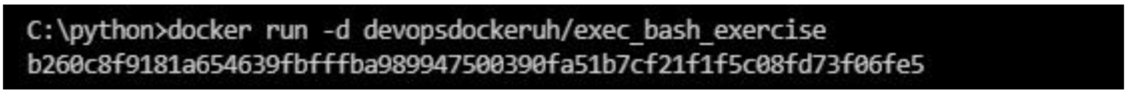


```
C:\python\docker\docker_ht>docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES

C:\python\docker\docker_ht>docker images
REPOSITORY   TAG       IMAGE ID   CREATED   SIZE
```

3)

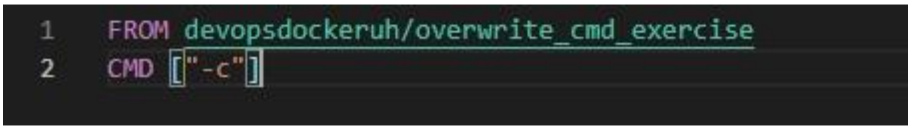


```
C:\python>docker exec -it serene_margulis bash
root@b260c8f9181a:/usr/app# tail -f ./logs.txt
Secret message is:
"Docker is easy"
Thu, 24 Mar 2022 10:17:26 GMT
Thu, 24 Mar 2022 10:17:29 GMT
Thu, 24 Mar 2022 10:17:32 GMT
Thu, 24 Mar 2022 10:17:35 GMT
Secret message is:
"Docker is easy"
```

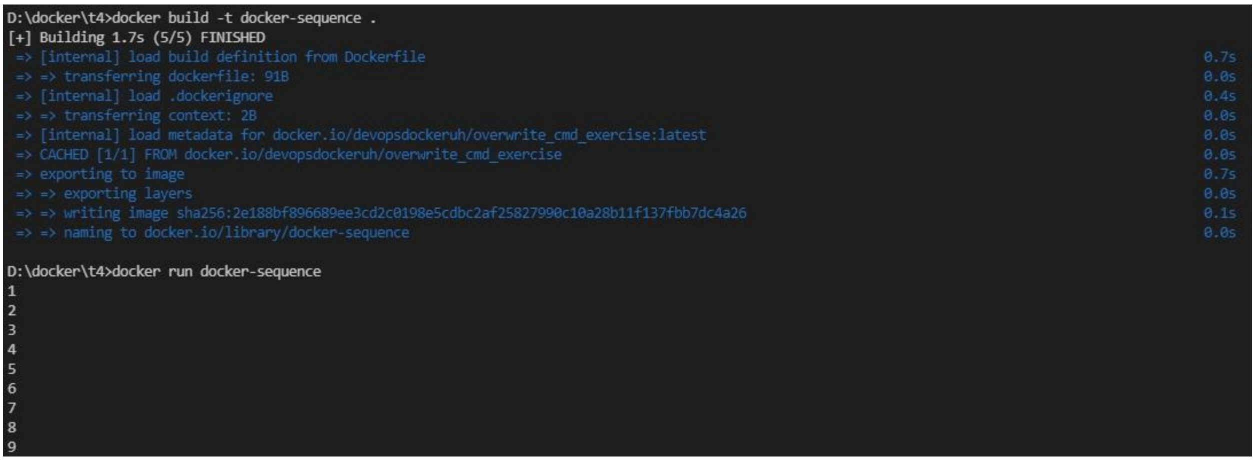


```
C:\python>docker run -d devopsdockeruh/exec_bash_exercise
b260c8f9181a654639fbfffba989947500390fa51b7cf21f1f5c08fd73f06fe5
```

4)

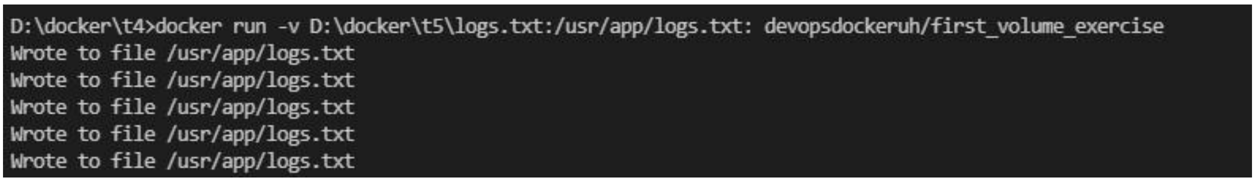


```
FROM devopsdockeruh/overwrite_cmd_exercise
CMD ["-c"]
```



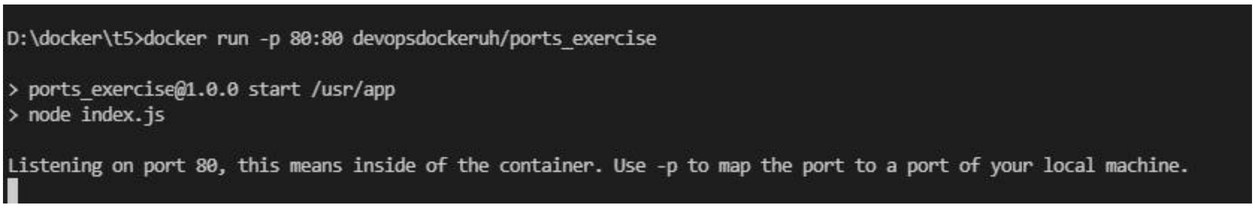
```
D:\docker\t4>docker build -t docker-sequence .
[+] Building 1.7s (5/5) FINISHED
 => [internal] load build definition from Dockerfile                                                    0.7s
 => => transferring dockerfile: 91B                                                                     0.0s
 => [internal] load .dockerignore                                                                       0.4s
 => => transferring context: 2B                                                                         0.0s
 => [internal] load metadata for docker.io/devopsdockeruh/overwrite_cmd_exercise:latest                 0.0s
 => CACHED [1/1] FROM docker.io/devopsdockeruh/overwrite_cmd_exercise                                   0.0s
 => exporting to image                                                                                  0.7s
 => => exporting layers                                                                                 0.0s
 => => writing image sha256:2e188bf896689ee3cd2c0198e5cdbc2af25827990c10a28b11f137fbb7dc4a26            0.1s
 => => naming to docker.io/library/docker-sequence                                                      0.0s

D:\docker\t4>docker run docker-sequence
1
2
3
4
5
6
7
8
9
```

5)

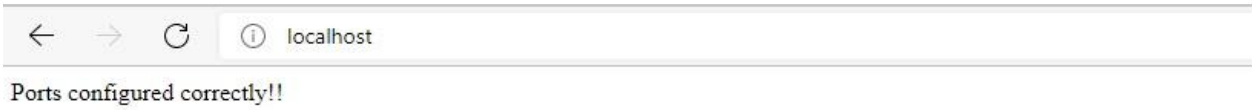


```
D:\docker\t4>docker run -v D:\docker\t5\logs.txt:/usr/app/logs.txt: devopsdockeruh/first_volume_exercise
Wrote to file /usr/app/logs.txt
Wrote to file /usr/app/logs.txt
Wrote to file /usr/app/logs.txt
Wrote to file /usr/app/logs.txt
Wrote to file /usr/app/logs.txt
```

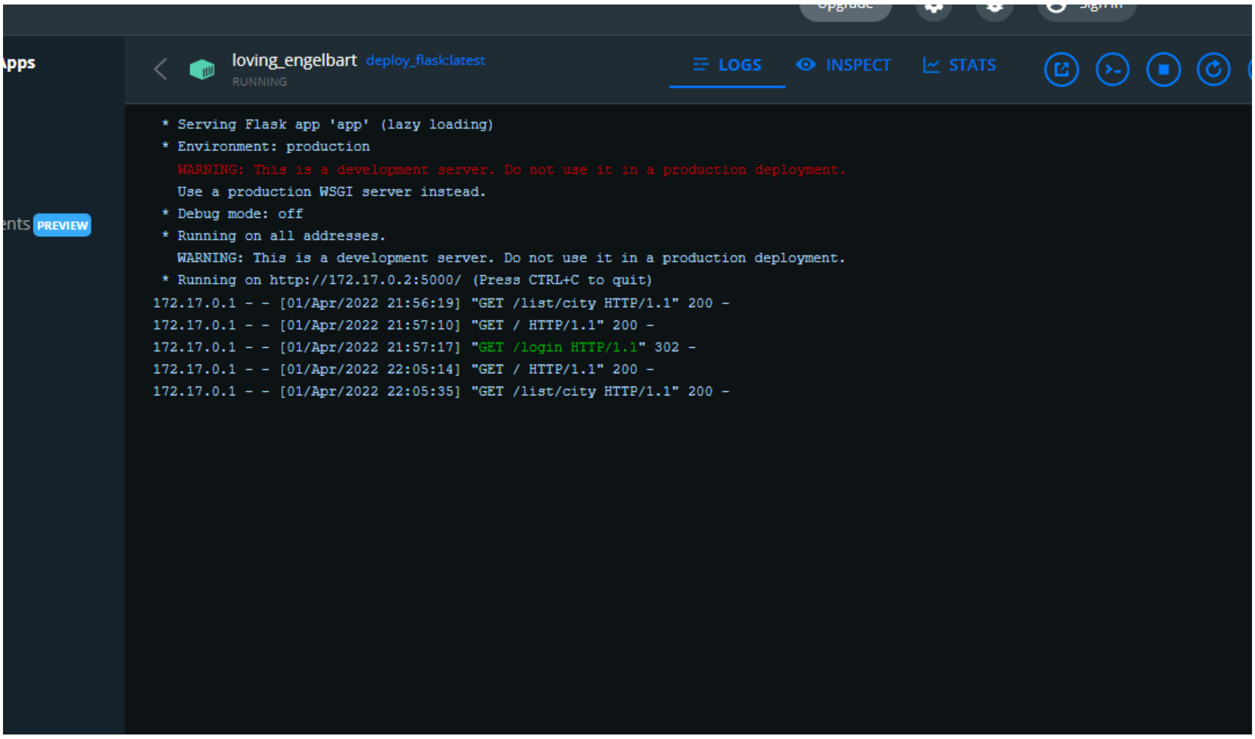
6)



```
D:\docker\t5>docker run -p 80:80 devopsdockeruh/ports_exercise

> ports_exercise@1.0.0 start /usr/app
> node index.js

Listening on port 80, this means inside of the container. Use -p to map the port to a port of your local machine.
```

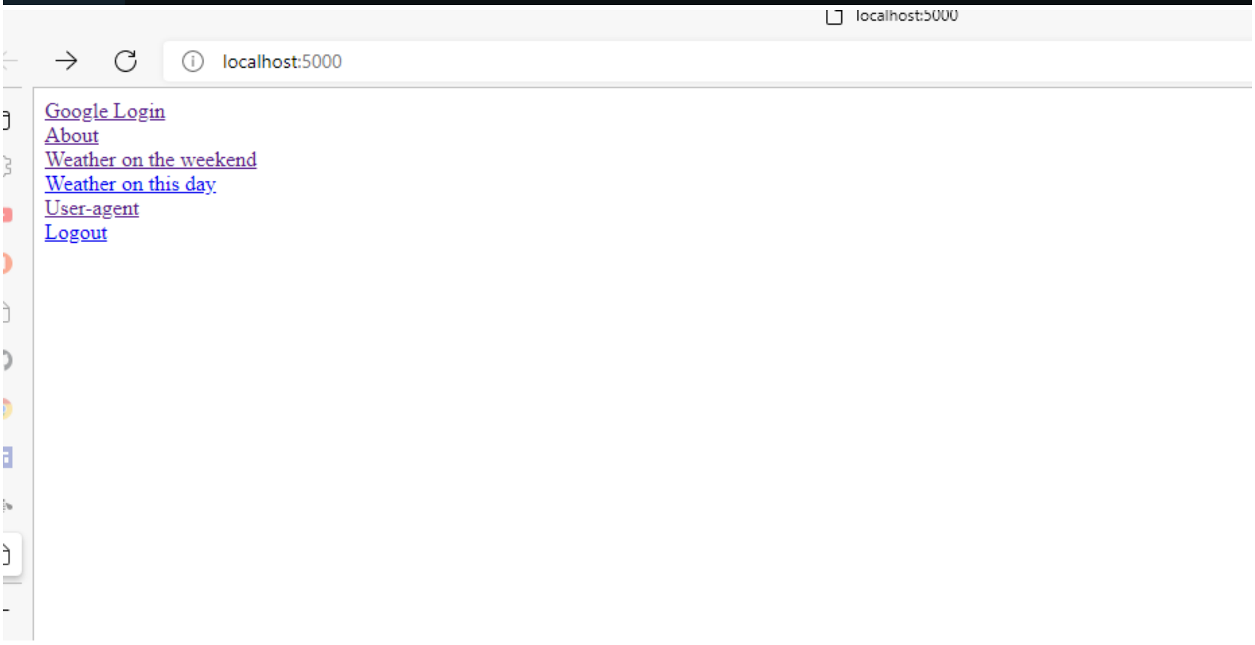


Ports configured correctly!!



```
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on all addresses.
   WARNING: This is a development server. Do not use it in a production deployment.
 * Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
172.17.0.1 - - [01/Apr/2022 21:56:19] "GET /list/city HTTP/1.1" 200 -
172.17.0.1 - - [01/Apr/2022 21:57:10] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [01/Apr/2022 21:57:17] "GET /login HTTP/1.1" 302 -
172.17.0.1 - - [01/Apr/2022 22:05:14] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [01/Apr/2022 22:05:35] "GET /list/city HTTP/1.1" 200 -
```

7)



Google Login
About
Weather on the weekend
Weather on this day
User-agent
Logout