

```

[root@localhost ~]# cd lab2/
[root@localhost lab2]# git clone https://github.com/meldafrawi/basic-flask-app
Cloning into 'basic-flask-app'...
remote: Enumerating objects: 32, done.
remote: Counting objects: 100% (19/19), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 32 (delta 8), reused 8 (delta 8), pack-reused 13
Receiving objects: 100% (32/32), 274.91 KiB | 19.00 KiB/s, done.
Resolving deltas: 100% (8/8), done.
[root@localhost lab2]# touch Dockerfile
[root@localhost lab2]# vi Dockerfile

```

```

FROM alpine:3.10
COPY basic-flask-app /app
WORKDIR /app
RUN apk add --no-cache python2 py2-pip
RUN pip2 install --no-cache -r requirements.txt
ENTRYPOINT ["python"]
CMD ["routes.py"]

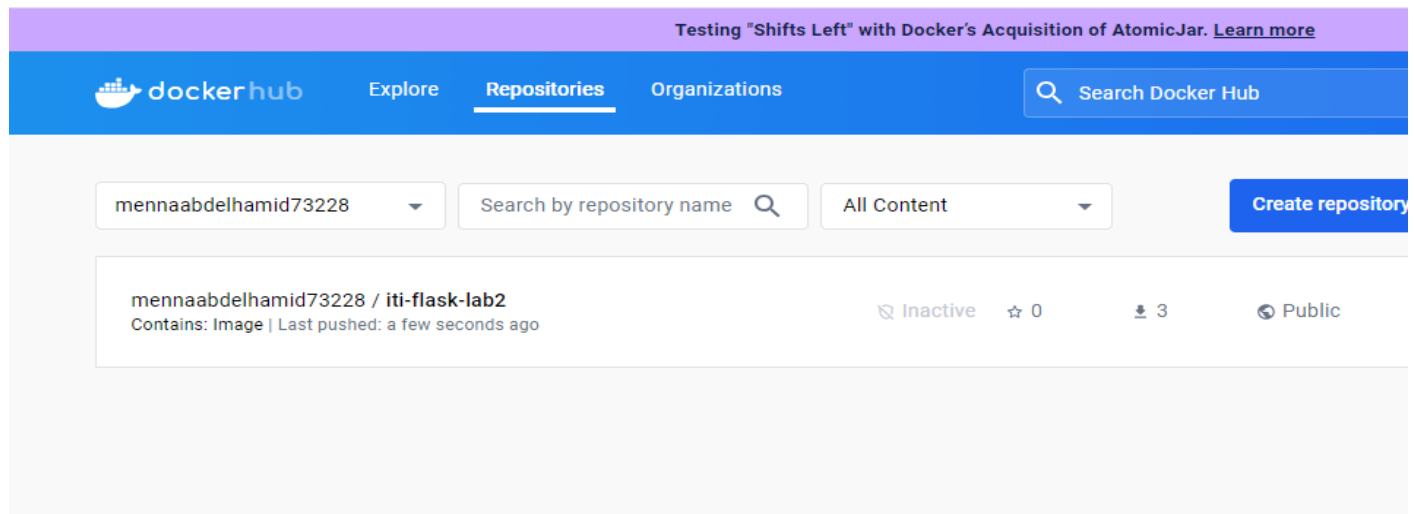
```

```

[root@mony ~]# cd lab2
[root@mony lab2]# ls
1 app.py basic-flask-app requirements.txt venv
[root@mony lab2]# cd basic-flask-app/
[root@mony basic-flask-app]# docker build -t iti-flask-lab2 .
[+] Building 3.1s (11/11) FINISHED                                docker:default
=> [internal] load build definition from Dockerfile              0.1s
=> => transferring dockerfile: 269B                             0.0s
=> [internal] load .dockerignore                                0.1s
=> => transferring context: 2B                                    0.0s
=> [internal] load metadata for docker.io/library/alpine:3.10   2.7s
=> [auth] library/alpine:pull token for registry-1.docker.io    0.0s
=> [internal] load build context                                0.1s
=> => transferring context: 6.15kB                               0.1s
=> [1/5] FROM docker.io/library/alpine:3.10@sha256:451eee8bedcb2f029756dc3e9d73bab0e7943c1ac 0.0s
=> CACHED [2/5] COPY . /app                                       0.0s
=> CACHED [3/5] WORKDIR /app                                       0.0s
=> CACHED [4/5] RUN apk add --no-cache python2 py2-pip           0.0s
=> CACHED [5/5] RUN pip2 install --no-cache -r requirements.txt  0.0s
=> exporting to image                                             0.0s
=> => exporting layers                                           0.0s
=> => writing image sha256:8c264b4adffff87e1c9cd3a419bdcbf63ccf76ef9cd1d7509de6142afbf28c865 0.0s
=> => naming to docker.io/library/iti-flask-lab2                0.0s
[root@mony basic-flask-app]#

```





Part2:

```
[root@mony basic-flask-app]# docker network create --subnet 10.0.0.0/8 iti-network
050c58dd338938c93a06f57bd236cf9cf0ec855a4b4711c5e3ef9fe61267163f
[root@mony basic-flask-app]#
```

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```
[root@mony tmp]# cd /tmp/lab2/
[root@mony lab2]# ls
indexfile
[root@mony lab2]#
```

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>Docker apache</title>
</head>
<body>
  <h2>Lab 2 ITI -Mennataallah Abdelhamid </h2>
</body>
</html>
```

```
[root@mony lab2]# docker run -d --network iti-network -p 8080:80 --name nginx-alpine -v /tmp/lab2:/usr/local/apache2/htdocs httpd
fd2fee4ea41e004d3fcee3290b712fa54f1a474ebffa3aaabbfa1bed81648ccf
[root@mony lab2]#
```

← → ↻ ⚠ Not secure 192.168.1.10:8080/indexfile

## Lab 2 ITI -Mennatallah Abdelhamid|