Лабораторная работа №2

Создаём докерфайл

```
root@ivt-tasks:~# touch dockerfile
root@ivt-tasks:~# nano dockerfile
root@ivt-tasks:~# cat dockerfile
FROM ubuntu:20.04
LABEL Author="Labyrin <labyrin.matvei@gmail.com>"
RUN apt update
RUN apt install -y nginx
RUN rm -rf /var/www/html
COPY index2.html /var/www/html

CMD ("nginx","-g","daemon off;")

EXPOSE 83
root@ivt-tasks:~#
```

Создаём html-ку в vscode, копируем на сервер

```
root@ivt-tasks:~# touch index2.html
root@ivt-tasks:~# nano index2.html
root@ivt-tasks:~# nano index2.html
root@ivt-tasks:~# root@ivt-tasks:~#
root@ivt-tasks:~# nano index2.html
root@ivt-tasks:~# cat index2.html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>LR2</title>
</head>
<body>
    <h2>Мой хтмл файл</h2>
    <p>Hello from Matvey</p>
</body>
</html>
root@ivt-tasks:~#
```

Docker build в той же папке

```
root@ivt-tasks:~# docker build .
Sending build context to Docker daemon  11.78kB
Step 1/8 : FROM ubuntu:20.04
20.04: Pulling from library/ubuntu
c549ccf8d472: Pull complete
Digest: sha256:aba80b77e27148d99c034a987e7da3a287ed455390352663418c0f2ed40417fe
Status: Downloaded newer image for ubuntu:20.04
 ---> 9873176a8ff5
Step 2/8 : LABEL Author="Labyrin <labyrin.matvei@gmail.com>"
 ---> Running in 5ef6b9efde92
Removing intermediate container 5ef6b9efde92
 ---> b1dff5b11dec
Step 3/8 : RUN apt update
 ---> Running in 11ad1eeeafce

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

Get:1 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB
Get:6 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]
Get:8 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]
```

Успешно сбилдилось)

```
Setting up libxpm4:amd64 (1:3.5.12-1) ...
Setting up libgd3:amd64 (2.2.5-5.2ubuntu2) ...
Setting up libxslt1.1:amd64 (1.1.34-4) ...
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...
Setting up nginx-core (1.18.0-0ubuntu1.2) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Setting up nginx (1.18.0-0ubuntu1.2) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Removing intermediate container 9c0cb3d86d95
 ---> bb2d2dbbbb50
Step 5/8 : RUN rm -rf /var/www/html
 ---> Running in 356b49394169
Removing intermediate container 356b49394169
 ---> 0e92f3279e14
Step 6/8 : COPY index2.html /var/www/html
 ---> e365e9619009
Step 7/8 : CMD ("nginx","-g","daemon off;")
 ---> Running in 4b6692eb43d2
Removing intermediate container 4b6692eb43d2
 ---> b72d877fd28b
Step 8/8 : EXPOSE 83
 ---> Running in 9a751a5ab232
Removing intermediate container 9a751a5ab232
 ---> b2755ac95b1c
Successfully built b2755ac95b1c
```

Переименовываем образ

```
root@ivt-tasks:~# docker tag b2755ac95b1c labyrin/labyrins_image:latest
root@ivt-tasks:~# docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: labyrin
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
root@ivt-tasks:~# ls
Dockerfile  index2.html
root@ivt-tasks:~# docker images
REPOSITORY              TAG      IMAGE ID       CREATED          SIZE
labyrin/labyrins_image  latest   b2755ac95b1c   13 minutes ago   161MB
nginx                   latest   4f380adfc10f   11 days ago      133MB
ubuntu                  20.04    9873176a8ff5   2 weeks ago      72.7MB
```

И пушим

```
root@ivt-tasks:~# docker push labyrin/labyrins_image
Using default tag: latest
The push refers to repository [docker.io/labyrin/labyrins_image]
28e3556f5474: Pushed
c6da615338db: Pushed
d04c5d211fcb: Pushed
b338d346b52d: Pushed
feef05f055c9: Mounted from library/ubuntu
latest: digest: sha256:f5ffb816f80974ae7830e67a10f3ebcf6935f11e96d45192aa6f7fd045f21e0a size: 1367
root@ivt-tasks:~#
```