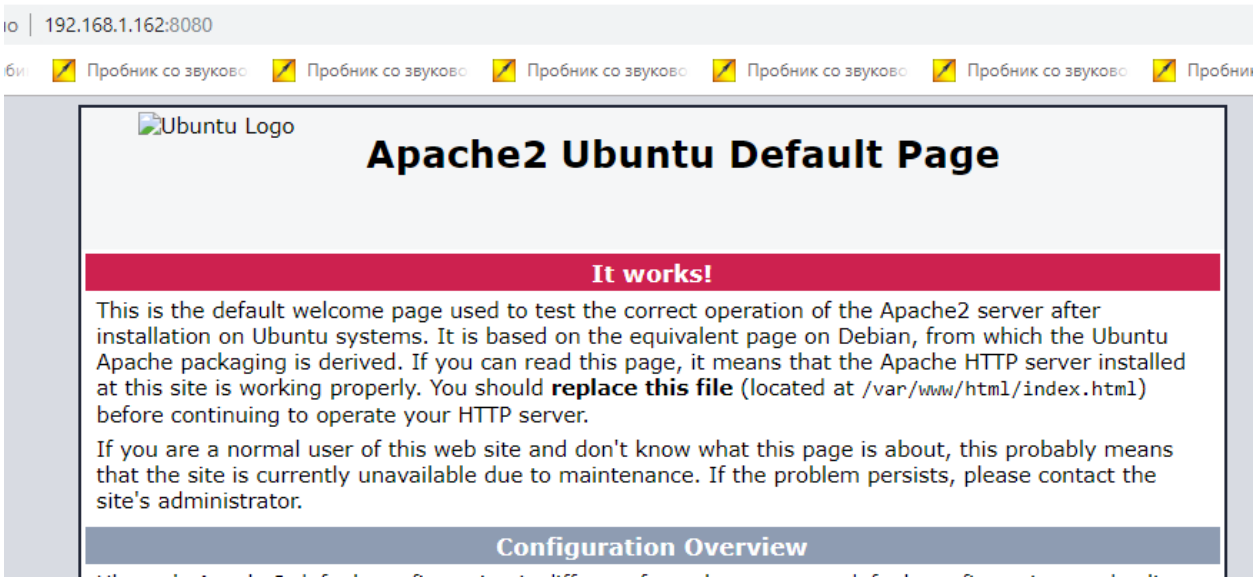
1. Установить в виртуальную машину или VDS Docker, сделать два контейнера, один для Nginx, второй для MySQL. Прислать скриншоты работающих систем.

```
root@phoenix:~# docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

root@phoenix:~#
```

```
root@phoenix:~# docker run mysql
error: database is uninitialized and password option is not specified
  You need to specify one of MYSQL_ROOT_PASSWORD, MYSQL_ALLOW_EMPTY_PASSWORD and
 MYSQL_RANDOM_ROOT_PASSWORD
```

```
root@phoenix:~# netstat -ntl
Активные соединения с интернетом (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp        0      0 0.0.0.0:80              0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN
tcp        0      0 127.0.0.1:631           0.0.0.0:*               LISTEN
tcp6       0      0 :::80                   :::*                    LISTEN
tcp6       0      0 :::22                   :::*                    LISTEN
tcp6       0      0 ::1:631                 :::*                    LISTEN
```

```
root@phoenix:~# docker run -d --name nginx -p 8080:80 -v /var/www/html:/usr/shar
e/nginx/html nginx
f383e9d74f0cdd389907338325f8a8208b8045d1691d5e4b4a7cac4177de5645
root@phoenix:~# netstat -ntl
Активные соединения с интернетом (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp        0      0 0.0.0.0:80              0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN
tcp        0      0 127.0.0.1:631           0.0.0.0:*               LISTEN
tcp6       0      0 :::8080                 :::*                    LISTEN
tcp6       0      0 :::80                   :::*                    LISTEN
tcp6       0      0 :::22                   :::*                    LISTEN
tcp6       0      0 ::1:631                 :::*                    LISTEN
```




```
root@phoenix:~# netstat -ntl
Активные соединения с интернетом (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp        0      0 0.0.0.0:80              0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN
tcp        0      0 127.0.0.1:631           0.0.0.0:*               LISTEN
tcp6       0      0 :::8080                 :::*                    LISTEN
tcp6       0      0 :::80                   :::*                    LISTEN
tcp6       0      0 :::22                   :::*                    LISTEN
tcp6       0      0 ::1:631                 :::*                    LISTEN
root@phoenix:~#
```

```
CONTAINER ID        IMAGE               COMMAND                  CREATED
     STATUS              PORTS                    NAMES
f383e9d74f0c        nginx               "nginx -g 'daemon ..."   7 minutes ago
     Up 7 minutes        0.0.0.0:8080->80/tcp     nginx
root@phoenix:~#
```

```
root@phoenix:~# docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED
     STATUS              PORTS                    NAMES
f383e9d74f0c        nginx               "nginx -g 'daemon ..."   7 minutes ago
     Up 7 minutes        0.0.0.0:8080->80/tcp     nginx
root@phoenix:~#
root@phoenix:~#
root@phoenix:~#
root@phoenix:~#
root@phoenix:~# docker exec -ti nginx bash
root@f383e9d74f0c:/#
root@f383e9d74f0c:/#
root@f383e9d74f0c:/#
root@f383e9d74f0c:/# pwd
/
root@f383e9d74f0c:/#
```

```
root@f383e9d74f0c:/# apt install mc
Reading package lists... Done
Building dependency tree
Reading state information... Done
Package mc is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source

E: Package 'mc' has no installation candidate
root@f383e9d74f0c:/# apt update
Ign:1 http://cdn-fastly.deb.debian.org/debian stretch InRelease
Get:3 http://cdn-fastly.deb.debian.org/debian stretch-updates InRelease [91.0 kB
]
Get:2 http://security-cdn.debian.org/debian-security stretch/updates InRelease [
94.3 kB]
```

Запуск MySQL

Создал несколько, пока игрался.

Пробовал различные ссылки с сайта:

https://docs.docker.com/samples/library/mysql/#no-connections-until-mysql-init-completes

```
root@phoenix:~# docker run --name mysql2 -v /my/custom:/etc/mysql/conf.d -e MYSQ
L_ROOT_PASSWORD=1234 -d mysql
1cc334614509f44da689526646aa8e052fd729105ae13142397db775414b9946
root@phoenix:~#
```

```
root@phoenix:~# docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED
     STATUS              PORTS                     NAMES
1cc334614509        mysql               "docker-entrypoint..."   3 minutes ago
     Up 3 minutes        3306/tcp, 33060/tcp       mysql2
a65252096349        mysql               "docker-entrypoint..."   6 minutes ago
     Up 6 minutes        3306/tcp, 33060/tcp       mysql1
a40636a56999        mysql               "docker-entrypoint..."   13 minutes ago
     Up 13 minutes       3306/tcp, 33060/tcp       mysql
f383e9d74f0c        nginx               "nginx -g 'daemon ..."   36 minutes ago
     Up 36 minutes       0.0.0.0:8080->80/tcp      nginx
root@phoenix:~# docker ps
```