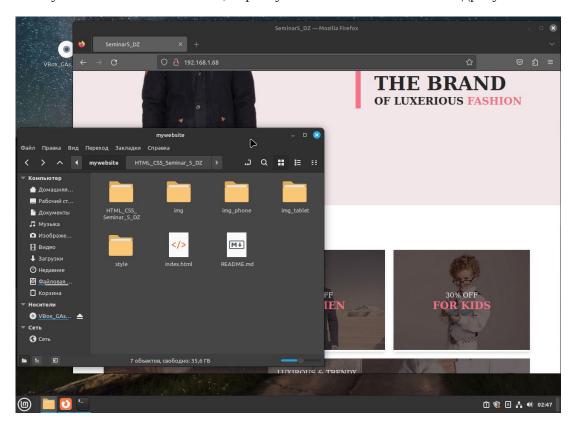
## Урок 6. Запуск стека для веб-приложения

## Задание

• 1)Установить Nginx и настроить его на работу с PHP-FPM.

mywebsite – вот так вышло, верстку выложил на localhost по адресу 192.168.1.68



## самое гл. получилось

```
PS C:\Users\tred1> <mark>ssh</mark> tred1@192.168.1.68
fred1@192.168.1.68's password:
Last login: Mon Sep 25 22:59:03 2023 from 192.168.1.64
 red1@fred1VirtualBox:~$ sudo apt update
[sudo] пароль для fred1:
Сущ:1 http://archive.ubuntu.com/ubuntu jammy InRelease
 ол:2 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Пол:3 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Пол:4 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [101 kB]
Пол:5 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [288 kB]
Пол:6 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B]
Пол:7 http://archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Metadata [4.932 B]
Пол:8 http://archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [17,9 kB]
Пол:9 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Игн:10 http://packages.linuxmint.com victoria InRelease
Сущ:11 http://packages.linuxmint.com victoria Release
Пол:13 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43,0 kB]
Пол:14 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [40,1 kB]
Получено 834 kB за 11c (73,3 kB/s)
Чтение списков пакетов… Готово
Построение дерева зависимостей… Готово
Чтение информации о состоянии... Готово
Может быть обновлён 191 пакет. Запустите «apt list --upgradable» для показа.
 red1@fred1VirtualBox:~$ sudo apt install ngibx php-fpm
```

```
ScilberekTedis vah fred18192.863.168

fred18192.168.1.06's passond:
Last login: Non Sep 25 22:59:08 2023 from 192:168.1.64

fred18197.168/triumliks: $ sudo apt update
[sudo] napons ans fred1:
Gyg:1 http://archive.uburtu.com/uburtu jammy-updates InRelease [119 k8]
Don:3 http://archive.uburtu.com/uburtu jammy-backports InRelease [199 k8]
Don:3 http://archive.uburtu.com/uburtu jammy-backports InRelease [199 k8]
Don:4 http://archive.uburtu.com/uburtu jammy-backports InRelease [199 k8]
Don:4 http://archive.uburtu.com/uburtu jammy-backports.in. amd6d DEP-11 Metadata [101 k8]
Don:6 http://archive.uburtu.com/uburtu jammy-backports.in. amd6d DEP-11 Metadata [588 k8]
Don:7 http://archive.uburtu.com/uburtu jammy-backports.in. amd6d DEP-11 Metadata [48 k8]
Don:8 http://packques.linuxmint.com/uburtu jammy-backports.in. amd6d DEP-11 Metadata [48 k8]
Don:9 http://packques.linuxmint.com/uburtu jammy-backports.in. amd6d DEP-11 Metadata [48 k8]
Don:10 http://packques.linuxmint.com/uburtu.jammy-backports.in.
Wri:10 http://packques.linuxmint.com/uburtu.jammy-security/main amd6d DEP-11 Metadata [48 k8]
Don:14 http://packques.linuxmint.com/uburtu.jammy-security/main amd6d DEP-11 Metadata [48 k8]
Don:14 http://packques.linuxmint.com/uburtu.jammy-security/main amd6d DEP-11 Metadata [48 k8]
Don:14 http://security.uburtu.com/uburtu.jammy-security/main amd6d DEP-11 Metadata [48 k8]
Don:14 http://security.uburtu.com/uburtu.jammy-uburtu.jammy-security/main amd6d DEP-11 Metadata [48 k8]
Don:14 http://secu
```

```
fred1@fred1VirtualBox:~$ php --version

PHP 8.1.2-1ubuntu2.14 (cli) (built: Aug 18 2023 11:41:11) (NTS)

Copyright (c) The PHP Group

Zend Engine v4.1.2, Copyright (c) Zend Technologies

with Zend OPcache v8.1.2-1ubuntu2.14, Copyright (c), by Zend Technologies

fred1@fred1VirtualBox:~$ sudo nano /etc/php/<version>/fpm/php.ini

-bash: version: Нет такого файла или каталога

fred1@fred1VirtualBox:~$ sudo nano /etc/php/8.1/fpm/php.ini

fred1@fred1VirtualBox:~$ sudo nano /etc/php/8.1/fpm/php.ini

fred1@fred1VirtualBox:~$ sudo nano /etc/php/8.1/fpm/php.ini

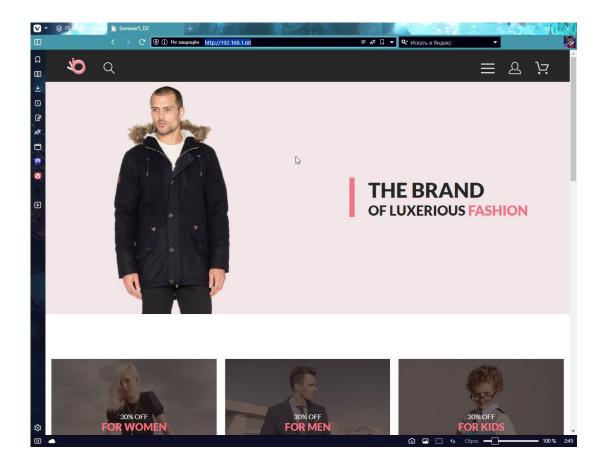
fred1@fred1VirtualBox:~$ sudo nano /etc/nginx/sites-available/mywebsite

fred1@fred1VirtualBox:~$
```

```
readiff-cell/triumlboss { sudo nano./etc/nginv/sites-available/mywebsite | readiff-cell/triumlboss { sudo in stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stable_stab
```

```
fred1@fred1VirtualBox:-$ cd /var/www/html/mywebsite
fred1@fred1VirtualBox:/var/www/html/mywebsite$ git clone https://github.com/555-F-a-r-id-555/HTML_CSS_Seminar_5_DZ.git
fatal: не удалось создать рабочий каталог «HTML_CSS_Seminar_5_DZ»: Отказано в доступе
fred1@fred1VirtualBox:/var/www/html/mywebsite$ sudo git clone https://github.com/555-F-a-r-id-555/HTML_CSS_Seminar_5_DZ.git
Kлонирование в «HTML_CSS_Seminar_5_DZ»...
remote: Enumerating objects: 77, done.
remote: Counting objects: 100% (77/77), done.
remote: Counting objects: 100% (75/58), done.
remote: Total 77 (delta 20), reused 61 (delta 10), pack-reused 0
Получение объектов: 100% (77/77), 1.80 МиБ | 351.00 КиБ/с, готово.
Определение изменений: 100% (20/20), готово.
fred1@fred1VirtualBox:/var/www/html/pywebsite$
```

тоже самое но открыл уже на windows



```
1) sudo apt update
2) sudo apt install nginx php-fpm
3) sudo nano /etc/php/8.1/fpm/php.ini
4) cgi.fix_pathinfo=0
5) sudo nano /etc/nginx/sites-available/mywebsite
6)
server {
        listen 80;
        server_name 192.168.1.68;
        root /var/www/html/mywebsite;
        index index.php index.html;
        location / {
                try_files $uri $uri/ =404;
         }
        location \sim \hline \hl
                include snippets/fastcgi-php.conf;
                fastcgi_pass unix:/var/run/php/php8.1-fpm.sock;
         }
        location \sim \land.ht {
                deny all;
        }
 }
7) sudo ln -s /etc/nginx/sites-available/mywebsite /etc/nginx/sites-enabled/
8) sudo nginx -t
9) sudo systemctl restart nginx
10) sudo mkdir -p /var/www/html/mywebsite
11) sudo chown -R www-data:www-data/var/www/html/mywebsite
12) cd /var/www/html/mywebsite
13) sudo apt install git
14) sudo git clone <a href="https://github.com/555-F-a-r-id-555/HTML">https://github.com/555-F-a-r-id-555/HTML</a> CSS Seminar 5 DZ.git
15) sudo mv /var/www/html/mywebsite/HTML_CSS_Seminar_5_DZ/* /var/www/html/mywebsite/
```

• 2)Установить Apache. Настроить обработку PHP. Добиться одновременной работы с Nginx.

```
GNU nano 6.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /etc/apache2/ports.
Listen 8080
  <IfModule ssl_module>
                                                                                                                    Listen 443
    </IfModule>
  <IfModule mod gnutls.c>
                                                                                                                  Listen 443
    </IfModule>
    [sudo] naponь для fred1:
| InonpofyWre emë pas.
| sudo] naponь для fred1:
| InonpofyWre emë pas.
| sudo] naponь для fred1:
| Cym;1 http://archive.ubuntu.com/ubuntu jammy InRelease
| Inon:2 http://archive.ubuntu.com/ubuntu jammy-security InRelease [119 kB]
| Inon:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
| Mrn:4 http://packages.linuxmint.com victoria Release
| Cym;5 http://packages.linuxmint.com victoria Release
| Cym;6 http://archive.ubuntu.com/ubuntu jammy-security/restricted i386 Packages [31,5 kB]
| Inon:8 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [884 kB]
| Inon:9 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [142 kB]
| Inon:12 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [785 kB]
| Inon:12 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [785 kB]
| Inon:12 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [785 kB]
| Inon:12 http://security.ubuntu.com/ubuntu.jammy-security/multiverse amd64 Packages [785 kB]
| Inon:12 http://security.ubuntu.com/ubuntu.jammy-security/multiverse amd64 Packages [785 kB]
| Inon:13 http://security.ubuntu.com/ubuntu.jammy-security/multiverse amd64 Packages [785 kB]
| Inon:14 htt
             sudo] пароль для fred1:
  арасhe2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0
Предлагаемые пакеты:
арасhe2-doc apache2-suexec-pristine | apache2-suexec-custom
Следующие НОВЫЕ пакеты будут установлены:
арасhe2-dato apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0
Обновлено 0 пакетов, установлено 9 новых пакетов, для удаления отмечено 0 пакетов, и 191 пакетов не обновлено.
Несобходимо скачать 2.058 кВ вархивов.
После данной операции объём занятого дискового пространства возрастёт на 8.216 кВ.
Хотите продолжить? [Л/н] у
Пол:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-5ubuntu4.22.04.2 [92,8 кВ]
Пол:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-5ubuntu4.22.04.2 [11,3 кВ]
Пол:3 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd amd64 1.6.1-5ubuntu4.22.04.2 [91,70 кВ]
Пол:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd amd64 1.6.1-5ubuntu4.22.04.2 [91,70 кВ]
Пол:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd amd64 1.6.1-5ubuntu4.22.04.2 [91,70 кВ]
Пол:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd amd64 1.6.1-5ubuntu4.6 [1.345 кВ]
Пол:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-lubuntu4.6 [1.345 кВ]
Пол:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-lubuntu4.6 [1.345 кВ]
Пол:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-lubuntu4.6 [1.345 кВ]
Пол:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-lubuntu4.6 [89,1 кВ]
Пол:7 http://archive.ubuntu.com/ubuntu3empy-updates/main amd64 apache2-data all 2.4.52-lubuntu4.6 [89,1 кВ]
Пол:7 http://archive.ubuntu.com/ubuntu3empy-updates/main amd64 apache2-data all 2.4.52-lubuntu4.6 [89,1 кВ]
Пол:7 http://archive.ubuntu3empy-updates/main amd64 ap
```

```
fred1@fred1VirtualBox:~$ sudo nano /etc/apache2
fred1@fred1VirtualBox:~$ sudo nano /etc/apache2/ports.conf
fred1@fred1VirtualBox:~$ sudo systemctl status apache2
fred1@fred1VirtualBox:-$ sudo systemctl restart apache2
apache2.service - The Apache HTTP Server
```

```
fred1@fred1VirtualBox:~$ sudo a2enmod php
ERROR: Module php does not exist!
fred1@fred1VirtualBox:~$ sudo a2enmod php8.1
Considering dependency mpm_prefork for php8.1:
Considering conflict mpm_event for mpm_prefork:
Considering conflict mpm_worker for mpm_prefork:
Module mpm_prefork already enabled
Considering conflict php5 for php8.1:
Module php8.1 already enabled
fred1@fred1VirtualBox:~$
```

```
fred1@fred1VirtualBox:~$ sudo apt install php libapache2-mod-php
Чтение списков пакетов… Готово
Построение дерева зависимостей… Готово
Чтение информации о состоянии… Готово
Будут установлены следующие дополнительные пакеты:
libapache2-mod-php8.1 php8.1
Предлагаемые пакеты:
php-pear
```

```
GRU nano 6.2

/etc/nginx/sites-available/mywebsite

ilsten 80;

root /var/www/html/mywebsite;

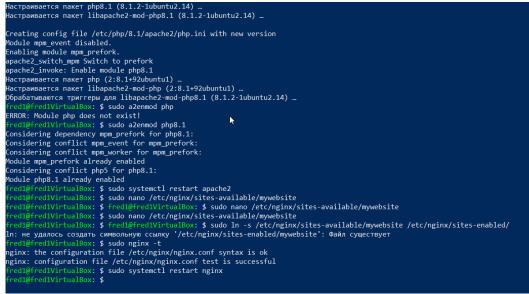
index index.php index.html;

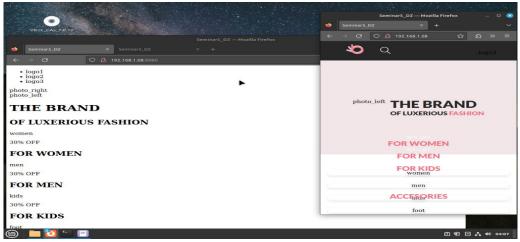
location / {

include snipets/fastcgi-php.conf;

infastgi_pass_unix:/var/run/php/php8.1-fpm.sock;

infastgi_pass_unix:/var
```





```
1) sudo apt update
2) sudo apt install apache2
3) sudo nano /etc/apache2/ports.conf #Listen 8080
4) sudo systemctl restart apache2
5) sudo systemctl status apache2
6) sudo apt install php libapache2-mod-php
7) sudo nano /etc/nginx/sites-available/mywebsite
8)
server {
  listen 80;
  server_name 192.168.1.68;
  location / {
    proxy_pass http://127.0.0.1:8080; # Порт Арасhe
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
  }
  location \sim \n {
    proxy_pass http://127.0.0.1:8080; # Порт Apache
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
    # Добавьте дополнительные настройки РНР, если необходимо
  }
}
9) sudo ln -s /etc/nginx/sites-available/mywebsite /etc/nginx/sites-enabled/
10) sudo nginx -t
11) sudo systemctl restart nginx
12) 192.168.1.68:8080
```

• 3)Настроить схему обратного прокси для Nginx (динамика - на Apache).

```
fred1@fred1VirtualBox:~$ nginx --version
nginx: invalid option: "-"
fred1@fred1VirtualBox:~$ nginx -v
nginx version: nginx/1.18.0 (Ubuntu)
fred1@fred1VirtualBox:~$ sudo nano /etc/nginx/sites-available/mywebsite
[sudo] пароль для fred1:
fred1@fred1VirtualBox:~$ sudo ln -s /etc/nginx/sites-available/mywebsite /etc/nginx/sites-enabled/
ln: не удалось создать символьную ссылку '/etc/nginx/sites-enabled/mywebsite': Файл существует
fred1@fred1VirtualBox:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
fred1@fred1VirtualBox:~$ sudo systemctl restart nginx
fred1@fred1VirtualBox:~$
```

```
1) nginx –version
2) sudo nano /etc/nginx/sites-available/mywebsite
3)
server {
    listen 80;
    server_name 192.168.1.68;
location / {
        proxy_pass http://127.0.0.1:8080; # Πορτ, на котором работает Арасhe proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy set_header X-Forwarded-For $proxy add x forwarded for;
```

```
proxy_set_header X-Forwarded-Proto $scheme;
}
```

- 4) sudo In -s /etc/nginx/sites-available/mywebsite /etc/nginx/sites-enabled/
- 5) sudo nginx -t
- 6) sudo systemctl restart nginx
- 4)Установить MySQL. Создать новую базу данных и таблицу в ней.

```
Fred1@fred1VirtualBox: $ sudo apt update

Cym:1 http://archive.ubuntu.com/ubuntu jammy InRelease

Krn:2 http://archive.ubuntu.com/ubuntu jammy-updates InRelease

Cym:3 http://archive.ubuntu.com/ubuntu jammy-backports InRelease

Cym:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease

Cym:5 http://packages.linuxmint.com victoria Release

Cym:6 http://security.ubuntu.com/ubuntu jammy-security InRelease

Чтение списков пакетов... Готово

Построение дерева зависимостей... Готово

Чтение информации о состоянии... Готово

Может быть обновлён 191 пакет. Запустите «apt list --upgradable» для показа.

fred1@fred1VirtualBox: $ sudo apt install mysql-server

Чтение списков пакетов... Готово

Построение дерева зависимостей... Готово

Построение дерева зависимостей... Готово

Построение дерева зависимостей... Готово

Построение дерева зависимостей... Готово

Чтение информации о состоянии... Готово

Будут установлены следующие дополнительные пакеты:

libevent-core-2.1-7 libevent-pthreads-2.1-7 libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server-8.0 mysql-server-core-8.0
```

```
fred1@fred1VirtualBox:-$ sudo systemctl start mysql
fred1@fred1VirtualBox:-$ sudo systemctl enable mysql
Synchronizing state of mysql.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable mysql
fred1@fred1VirtualBox:-$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords
and improve security. It checks the strength of password
and allows the users to set only those passwords which are
secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: y
```

```
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)
Copyright (c) 2000⊾ 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> USE mydatabase;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
mysql> SHOW TABLES;
 Tables_in_mydatabase
 mytable
 row in set (0,01 sec)
mysal> DESCRIBE mytable:
 Field | Type | | Null | Key | Default | Extra
 id | int | NO
name | varchar(255) | YES
email | varchar(255) | YES
                                            PRI | NULL
                                                  NULL
NULL
3 rows in set (0,00 sec)
mysql> INSERT INTO mytable (name, email) VALUES ('John Doe', 'john@example.com');
Query OK, 1 row affected (0,03 sec)
mysql> INSERT INTO mytable (name, email) VALUES ('Snow White', 'SnowWhite@example.com');
Query OK, 1 row affected (0,03 sec)
 ysql> DESCRIBE mytable;
                              | Null | Key | Default | Extra
 Field | Type
                               NO PRI NULL
          lint
                                                                auto_increment
```

```
mysql> INSERT INTO mytable (name, email) VALUES ('John Doe', 'john@example.com');
Query OK, 1 row affected (0,03 sec)
mysql> INSERT INTO mytable (name, email) VALUES ('Snow White', 'SnowWhite@example.com');
Query OK, 1 row affected (0,03 sec)
mysql> DESCRIBE mytable;
| Field | Type
                       | Null | Key | Default | Extra
 id int NO name varchar(255) YES email varchar(255) YES
                                 PRI
                                       NULL
                                                 auto increment
                                       NULL
                                       NULL
3 rows in set (0,01 sec)
mysql> SHOW TABLES;
| Tables_in_mydatabase |
| mvtable
1 row in set (0,00 sec)
mysql> SELECT * FROM mytable;
                  | email
 id | name
       John Doe
                  john@example.com
  2 | Snow White | SnowWhite@example.com
2 rows in set (0,01 sec)
mysql> EXIT;
Bye
red1@fred1VirtualBox:~$
```

•\* 5)Установить пакет phpmyadmin и запустить его веб-интерфейс для управления MySQL

```
Fred19fred1VirtualBox: $ sudo apt install phpmyadmin
HTenue списков пакетов... Готово
Построение дерева зависимостей.... Готово
HTenue информации о состоянии... Готово
Spyry установлены следующие дополнительные пакеты:
dbconfig-gommon dbconfig-mysql icc-profiles-free javascript-common libjs-bootstrap4 libjs-codemirror libjs-jquery
libjs-jquery-mousewheel libjs-jquery-timepicker libjs-jquery ulibjs-popper.js libjs-sizzle libjs-sphinxdoc libjs-underscore libonig5
node-jquery php-bz2 php-curl php-gd php-google-recaptcha php-json php-mariadb-mysql-kbs php-mbstring php-mysql php-nikic-fast-route

Tredigfred1VirtualBox: $ sudo azenconf phpmyadmin
ERROR: Conf phpmyadmin does not exist!
Tredigfred1VirtualBox: $ sudo nano /etc/apache2/conf-available/phpmyadmin.conf
Tredigfred1VirtualBox: $ sudo nano /etc/apache2/conf-available/phpmyadmin.conf
```

o activate the new configuration, you need to run:
systemctl reload apache2
redi@fredUvirtualBox: \$ sudo systemctl restart apache2
redi@fredUvirtualBox: \$

```
Oli one 6.2 / (ctc/apache2/conf-available/phpsyadmin.conf * Ottows SyminksIfOsmerMatch DirectoryIndex index.php  

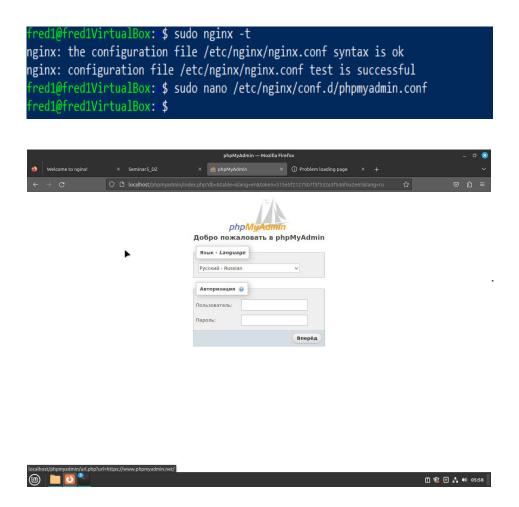
OliverSyminks index.php  

OliverSymindex  

OliverSy
```

```
GNO NANO 0.2

| Server {
| listen 80;
| server_name localhost;
| location /phpmyadmin {
| root /usr/share/;
| index index.php index.html index.htm;
| location ~ /phpmyadmin/(.+\.php)$ {
| try_files $uri = 404;
| root /usr/share/;
| fastegi_pass unix:/var/run/php/php8.1-fpm.sock; # Замените на версию PHP-FPM, которую вы используете
| fastegi_pass unix:/var/run/php/php8.1-fpm.sock; # Замените на версию PHP-FPM, которую вы используете
| fastegi_param SCRIPT_FILENAME $document_root$fastegi_script_name;
| include fastegi_params;
| }
| }
| . . . Другие настройки Nginx . . .
```



•\* 6)Настроить схему балансировки трафика между несколькими серверами Apache на стороне Nginx с помощью модуля ngx\_http\_upstream\_module.

```
GNU nano 6.2

(VirtualHost 192.168.1.10:8080)

# The ServerName directive sets the request scheme, hostname and port that

# the server uses to identify itself. This is used when creating

# redirection URLs. In the context of virtual hosts, the ServerName

# specifies what hostname must appear in the request's Host: header to

# match this virtual host. For the default virtual host (this file) this

# value is not decisive as it is used as a last resort host regardless.

# However, you must set it for any further virtual host explicitly.

#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,

# error, crit, alert, emerg.

# It is also possible to configure the loglevel for particular

# modules, e.g.

#Loglevel info ssl:warn

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are

# enabled or disabled at a global level, it is possible to

# include a line for only one particular virtual host. For example the

# following line enables the CGC configuration for his host only

# after it has been globally disabled with "a2disconf".

#/VirtualHost>

# vim: syntax-apache ts=4 sw=4 sts=4 sr noet
```

```
fred1@fred1VirtualBox: $ sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/site1.conf
fred1@fred1VirtualBox: $ sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/site1.conf
fred1@fred1VirtualBox: $ sudo nano /etc/apache2/sites-available/site1.conf
fred1@fred1VirtualBox: $ fred1@fred1VirtualBox: $ sudo nano /etc/apache2/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-available/sites-availa
```

```
### Companies of C
```

```
iredimendivirtualino: $ sudo nano /etc/apache2/sites-available/site1.conf
redimendivirtualino: $ iredimendivirtualino: $ sudo nano /etc/apache2/sites-available/site2.conf
redimendivirtualino: $ sudo nano /etc/apache2/sites-available/site2.conf
fenaling site site1.

To activate the new configuration, you need to run:
    systemctl reload apache2
    redimendivirtualino: $ sudo a2ensite site2.conf
Enabling site site2.

To activate the new configuration, you need to run:
    systemctl reload apache2
    redimendivirtualino: $ sudo systemctl restart apache2
    redimendivirtualino: $ sudo systemctl restart apache2
    redimendivirtualino: $ sudo systemctl restart apache2
    redimendivirtualino: $ sudo nano /etc/apache2/sites-available/site2.conf
    redimendivirtualino: $ sudo a2ensite site1.2 offses-available/site2.conf
    redimendivirtualino: $ sudo a2ensite site2.conf

    redimendivirtualino: $ sudo
```

```
1) sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/site1.conf
2) sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/site2.conf
3)
<VirtualHost 192.168.1.10:8080>
  DocumentRoot /var/www/site1
  # Другие настройки сайта
</VirtualHost>
4)
<VirtualHost 192.168.1.11:8080>
DocumentRoot /var/www/site2
  # Другие настройки сайта
</VirtualHost>
5)
sudo a2ensite site1.conf
sudo a2ensite site2.conf
# Активируйте для каждого виртуального хоста
6) sudo systemctl restart apache2
7)Отредактировать файл конфигурации Nginx. Обычно он находится в
/etc/nginx/nginx.conf
http {
  upstream apache_servers {
    server 192.168.1.10:8080;
    server 192.168.1.11:8080;
    # Добавьте серверы Арасће, если есть больше
  }
  server {
    listen 80;
    server_name your_domain.com; # Замените на ваш домен
    location / {
       proxy_pass http://apache_servers;
       proxy_set_header Host $host;
       proxy_set_header X-Real-IP $remote_addr;
       proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
     }
  }
  # ... Другие настройки Nginx ...
8) sudo systemctl restart nginx
что-то вроде этого ...
```

Спасибо, всего хорошего!)