Установка Docker:

sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-common —у установка ключа для репозитория:

 $curl\ -fsSL\ https://download.docker.com/linux/ubuntu/gpg\ |\ sudo\ apt-key\ add-linux/ubuntu/gpg\ |\ sudo\ apt-key\ add-lin$

установка репозитория:

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu \$(Isb_release - cs) stable"

установка докера:

sudo apt update; sudo apt install docker-ce-y

Добавляем себя в группу docker, чтобы выполнять команды без sudo:

sudo usermod -a -G docker \$USER (выйти, зайти, чтобы сработало. Проверка: id)

проверка статуса докера:

ps ax | grep docker

запуск докера:

sudo systemctl start docker.service

mkdir wordpress && cd wordpress

mkdir nginx-conf

nano nginx-conf/nginx.conf

```
server {
    listen 80;
    listen [::]:80;

    server_name example.com www.example.com;

    index index.php index.html index.htm;

    root /var/www/html;
```

```
location ~ /.well-known/acme-challenge {
                allow all;
               root /var/www/html;
                try_files $uri $uri/ /index.php$is_args$args;
       location ~ \.php$ {
                try files $uri =404;
                fastcgi_split_path_info ^(.+\.php) (/.+) $;
                fastcgi_pass wordpress:9000;
                fastcgi_index index.php;
                include fastcgi_params;
                fastcgi_param SCRIPT_FILENAME
$document_root$fastcgi_script_name;
                fastcgi_param PATH_INFO $fastcgi_path_info;
       location ~ /\.ht {
               deny all;
        location = /favicon.ico {
                log not found off; access log off;
```

```
location = /robots.txt {
        log_not_found off; access_log off; allow all;
}
location ~* \.(css|gif|ico|jpeg|jpg|js|png)$ {
        expires max;
        log_not_found off;
}
```

```
nano .env

MYSQL_ROOT_PASSWORD=123

MYSQL_USER=user1

MYSQL_PASSWORD=123

nano .dockerignore

.env

.git

docker-compose.yml

.dockerignore
```

Установка

sudo curl -L "https://github.com/docker/compose/releases/download/1.26.2/docker-compose-\$(uname -s)-\$(uname -m)" -o /usr/local/bin/docker-compose

sudo chmod +x /usr/local/bin/docker-compose

nano docker-compose.yml

```
version: '3'
```

```
wordpress:
    depends_on:
        - db

image: wordpress:5.1.1-fpm-alpine

container_name: wordpress

restart: unless-stopped

env_file: .env

environment:
        - WORDPRESS_DB_HOST=db:3306
        - WORDPRESS_DB_USER=$MYSQL_USER
        - WORDPRESS_DB_PASSWORD=$MYSQL_PASSWORD
```

```
- WORDPRESS_DB_NAME=wordpress
    volumes:
     - wordpress:/var/www/html
    networks:
     - app-network
  webserver:
    depends_on:
     - wordpress
    image: nginx:1.15.12-alpine
    container_name: webserver
    restart: unless-stopped
    ports:
     - "80:80<u>"</u>
    volumes:
     - wordpress:/var/www/html
     - ./nginx-conf:/etc/nginx/conf.d
      - certbot-etc:/etc/letsencrypt
    networks:
     - app-network
volumes:
 certbot-etc:
 wordpress:
 dbdata:
networks:
```

```
app-network:
  driver: bridge
```

docker-compose up -d

```
o
```

docker-compose ps

```
- words
volumes:
- wordpress:/var/www/html
networks:
- app-network
 webserver:
depends_on:
    wordpress
image: nginxil.15.12-alpine
container_name: webserver
restart: unless-stopped
ports:
    "80:300"
    volumes:
- wordpress:/var/www/html
- ./nginx-conf:/etc/nginx/conf.d
- certbot-etc:/etc/letsencrypt
networks:
- app-network
     volumes:
etworks:
app-metwork:
driver: bridge
driver: bridge
coot@ubuntu-server:-/wordpress# docker-compose ps
Command State Ports
3306/tcp, 33060/tcp
 docker-entrypoint.sh --def ... Up 3306/tcp, 33060/tcp
ebserver nginx -g daemon off; Up 0.0.0.0:80->80/tcp,::80->80/tcp
ordpress docker-entrypoint.sh php-fpm Up 9000/tcp
cot@dubuntu-servez:-/wordpressf
```

После запуска ваших контейнеров вы можете завершить процесс установки WordPress через веб-интерфейс.

2.

docker network ls

mkdir mariadb

```
docker pull mariadb:10.8
```

или

docker run --rm -ti --net learn-networking --name container 1 mariadb: 10.8

Второй контейнер:

docker run --rm -ti --net learn-networking --name container 2 phpmyadmin

nc -lp 1234 (в терминале второго контейнера) nc container2 1234 (в терминале первого контейнера)