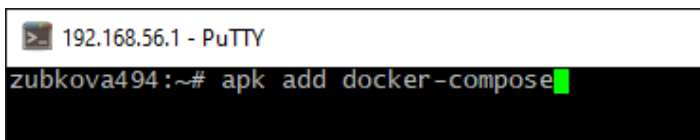


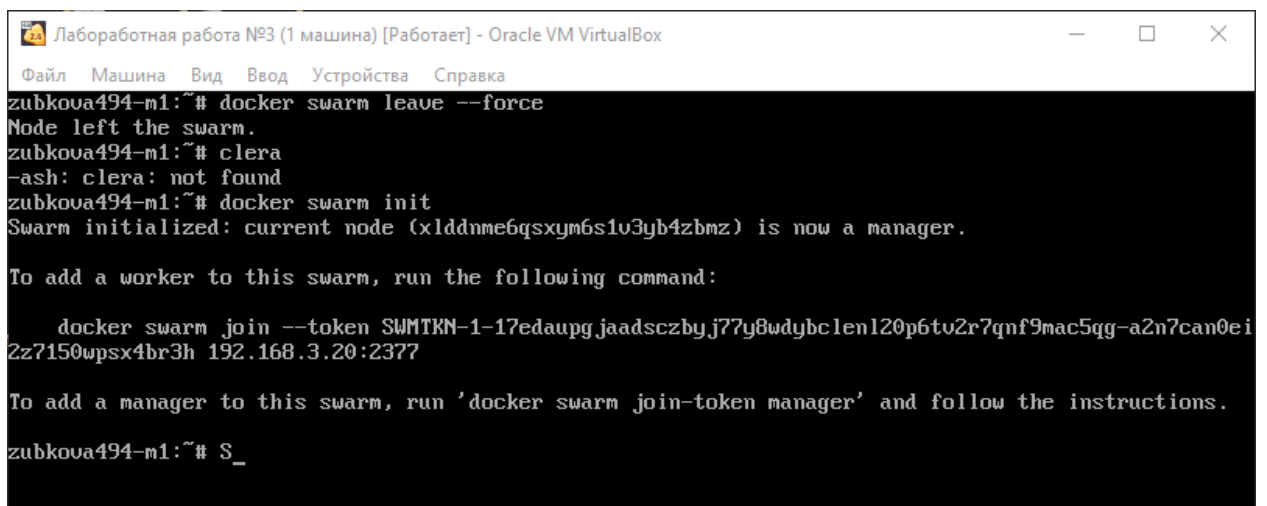
Предмет	Управление и автоматизация БД
Курс	4
Семестр	1
Работа	Практическое занятие № 35
Группа	494
Фамилия	Зубкова
Имя	Валерия
Отчество	Геннадьевна

## Отчет



```
192.168.56.1 - PuTTY
zubkova494:~# apk add docker-compose
```

### 1. Установка docker-compose



```
Лабораторная работа №3 (1 машина) [Работает] - Oracle VM VirtualBox
Файл  Машина  Вид  Ввод  Устройства  Справка
zubkova494-m1:~# docker swarm leave --force
Node left the swarm.
zubkova494-m1:~# clera
-ash: clera: not found
zubkova494-m1:~# docker swarm init
Swarm initialized: current node (xlddnme6qsyxm6s1v3yb4zbmz) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-17edaupgjaadsczbyj77y8wdybc1en120p6tv2r7qnf9mac5gg-a2n7can0ei
    2z7150wpsx4br3h 192.168.3.20:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
zubkova494-m1:~# S_
```

### 2. Создание token для подключения других контейнеров

```
Лабораторная работа №3 (2 машина) [Работает] - Oracle VM VirtualBox
Файл  Машина  Вид  Ввод  Устройства  Справка
zubkova494-m2:~# docker swarm join --token SWMTKN-1-17edaupg_jaadsczbyj77y8wdybc1en120p6tv2r7qnf9mac5qg-a2n7can0ei2z7150wpsx4br3h 192.168.3.20:2377
"docker swarm join" requires exactly 1 argument.
See 'docker swarm join --help'.

Usage:  docker swarm join [OPTIONS] HOST:PORT

Join a swarm as a node and/or manager
zubkova494-m2:~# docker swarm join --token SWMTKN-1-17edaupg_jaadsczbyj77y8wdybc1en120p6tv2r7qnf9mac5qg-a2n7can0ei2z7150wpsx4br3h 192.168.3.20:2377
This node joined a swarm as a worker.
zubkova494-m2:~# _
```

### 3. Подключение 2 виртуальной машины

```
Лабораторная работа №3 (3 машина) [Работает] - Oracle VM VirtualBox
Файл  Машина  Вид  Ввод  Устройства  Справка
zubkova494-m3:~# docker swarm join --token SWMTKN-1-17edaupg_jaadsczbyj77y8wdybc1en120p6tv2r7qnf9mac5qg-a2n7can0ei2z7150wpsx4br3h 192.168.3.20:2377
Error response from daemon: invalid join token
zubkova494-m3:~# docker swarm join --token SWMTKN-1-17edaupg_jaadsczbyj77y8wdybc1en120p6tv2r7qnf9mac5qg-a2n7can0ei2z7150wpsx4br3h 192.168.3.20:2377
This node joined a swarm as a worker.
zubkova494-m3:~#
```

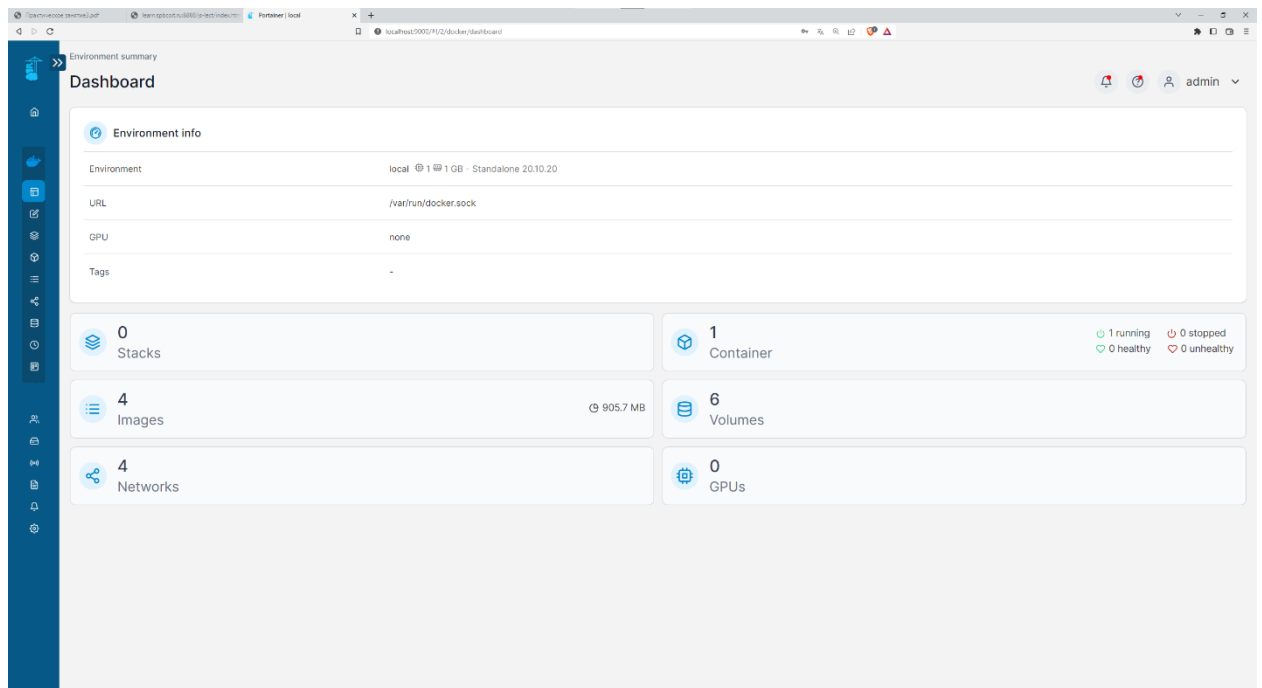
### 4. Подключение 3 виртуальной машины

```
192.168.56.1 - PuTTY
zubkova494:~# docker compose version
Docker Compose version v2.14.0
zubkova494:~#
```

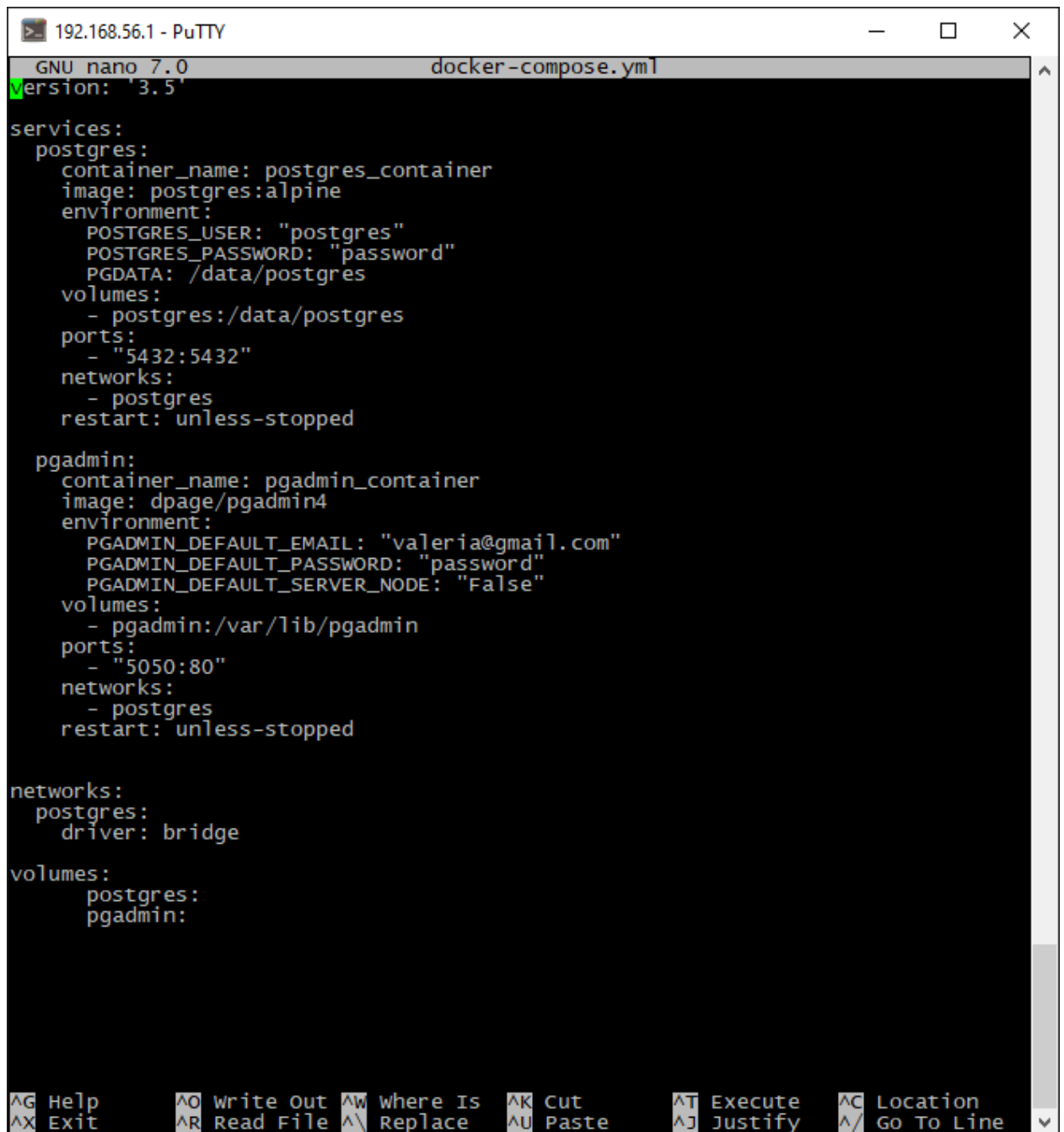
### 5. Просмотр версии docker-compose

```
192.168.56.1 - PuTTY
zubkova494:~# docker run -d -p 1234:9000 -v /var/run/docker.sock:/var/run/docker.sock --name portainer portainer/portainer
```

### 6. Запуск portainer-a.



## 7. Проверка работы portainer



192.168.56.1 - PuTTY

GNU nano 7.0 docker-compose.yml

```
version: '3.5'

services:
  postgres:
    container_name: postgres_container
    image: postgres:alpine
    environment:
      POSTGRES_USER: "postgres"
      POSTGRES_PASSWORD: "password"
      PGDATA: /data/postgres
    volumes:
      - postgres:/data/postgres
    ports:
      - "5432:5432"
    networks:
      - postgres
    restart: unless-stopped

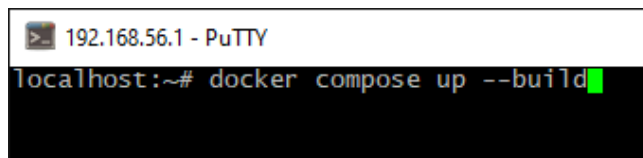
  pgadmin:
    container_name: pgadmin_container
    image: dpage/pgadmin4
    environment:
      PGADMIN_DEFAULT_EMAIL: "valeria@gmail.com"
      PGADMIN_DEFAULT_PASSWORD: "password"
      PGADMIN_DEFAULT_SERVER_NODE: "False"
    volumes:
      - pgadmin:/var/lib/pgadmin
    ports:
      - "5050:80"
    networks:
      - postgres
    restart: unless-stopped

networks:
  postgres:
    driver: bridge

volumes:
  postgres:
  pgadmin:
```

Help Write Out where Is Cut Execute Location  
Exit Read File Replace Paste Justify Go To Line

8. Содержимое для docker-compose для поднятия postgres + pgadmin.



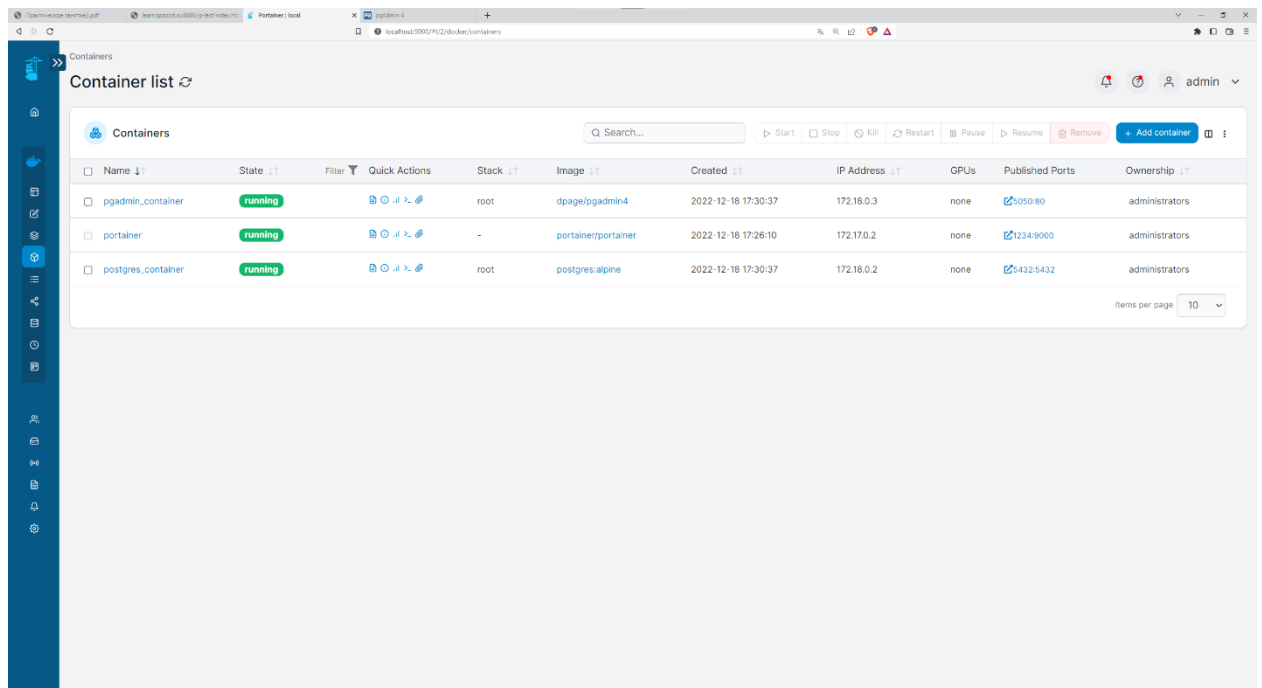
192.168.56.1 - PuTTY

```
localhost:~# docker compose up --build
```

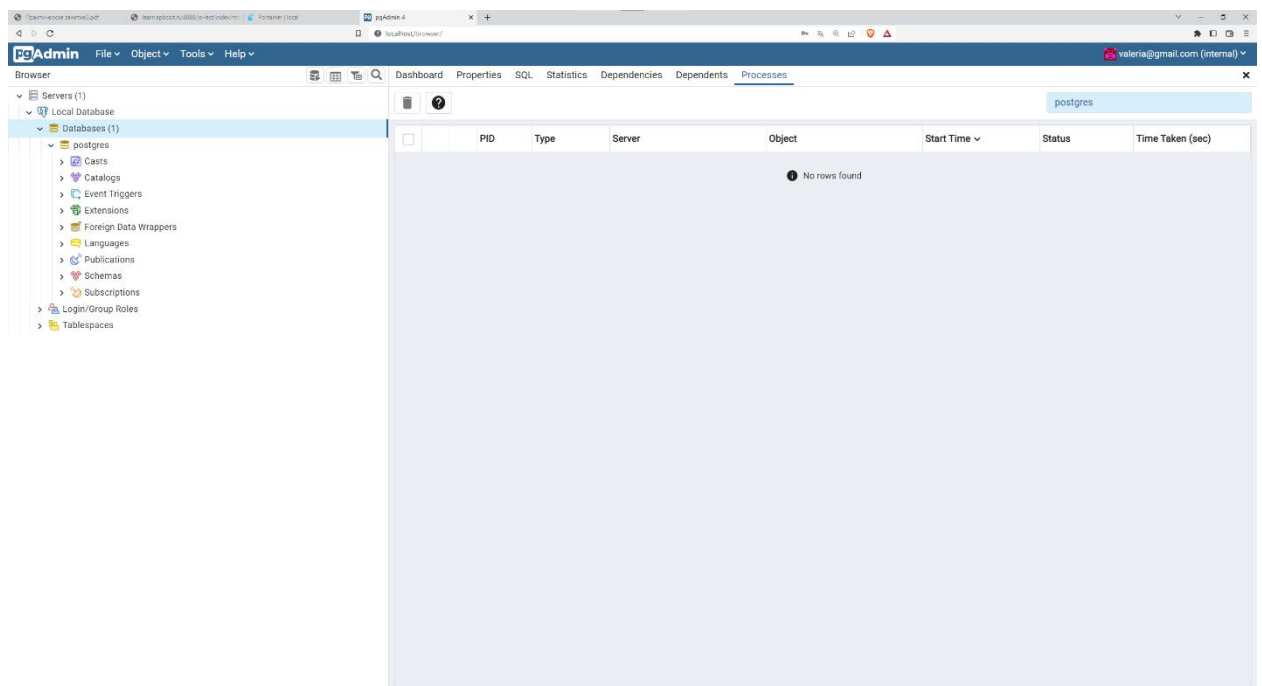
9. Запуск docker-compose.

```
192.168.56.1 - PuTTY
wser/js/utils.js?ver=61700 HTTP/1.1" 200 2319 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:05 +0000] "GET /user_management/current_user.js?ver=61700 HTTP/1.1" 200 278 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:05 +0000] "GET /tools/translations.js?ver=61700 HTTP/1.1" 200 321 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:06 +0000] "GET /static/css/webcabin.overrides.css?v=1671373862782 HTTP/1.1" 200 0 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:06 +0000] "GET /browser/nodes/ HTTP/1.1" 200 255 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:06 +0000] "GET /browser/check_corrupted_db_file HTTP/1.1" 200 61 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:06 +0000] "POST /browser/master_password HTTP/1.1" 200 119 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:06 +0000] "GET /misc/bgprocess/ HTTP/1.1" 200 2 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:06 +0000] "GET /favicon.ico?ver=61700 HTTP/1.1" 302 245 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:07 +0000] "POST /settings/store HTTP/1.1" 200 377 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:07 +0000] "GET /preferences/get_all HTTP/1.1" 200 8593 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:07 +0000] "GET /settings/get_tree_state/ HTTP/1.1" 200 214 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
pgadmin_container | ::ffff:10.0.2.2 - - [18/Dec/2022:14:31:08 +0000] "POST /settings/store HTTP/1.1" 200 377 "http://localhost/browser/" "Mozilla/5.0 (Windows NT 10.0; win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36"
```

10. Вывод сообщений в консоль после запуска docker-compose.



## 11. Проверка работы всех контейнеров.



## 12. Проверка работы postgres + pgadmin.