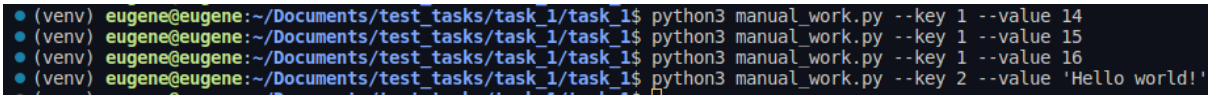
Гит репозиторий

https://github.com/BoyFromDubai/test_tasks/tree/master/task_1

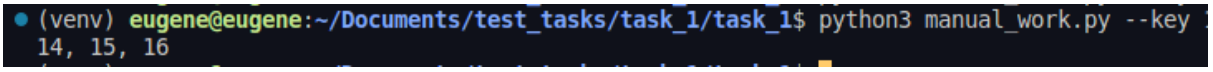
Задание 1.1

Добавление значений:



Данные в файле:

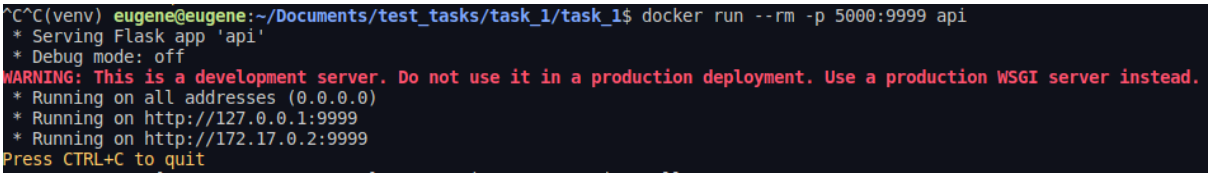
Получение по ключу:



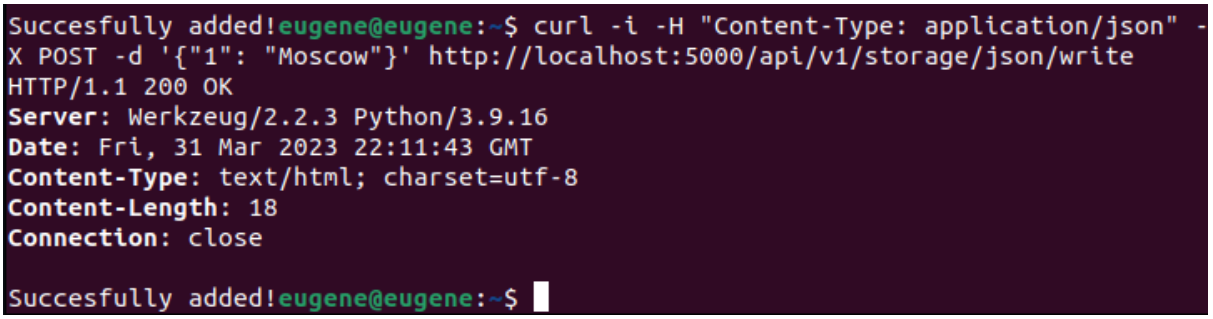
Несуществующий ключ:

Задание 1.2

Запуск контейнера:



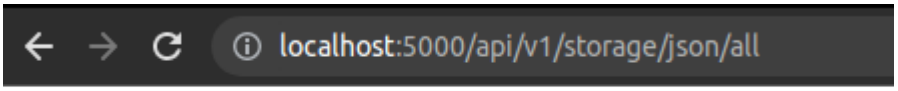
POST-запрос:



```
eugene@eugene:~$ curl -i -H "Content-Type: application/json" -X POST -d '{"1": "
Hello world!"}' http://localhost:5000/api/v1/storage/json/write
HTTP/1.1 200 OK
Server: Werkzeug/2.2.3 Python/3.9.16
Date: Fri, 31 Mar 2023 22:13:19 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 18
Connection: close

Succesfully added!eugene@eugene:~$
```

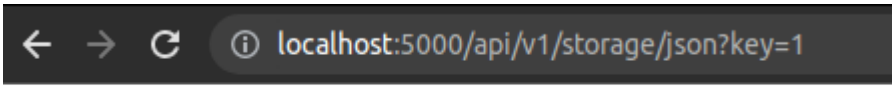
```
eugene@eugene:~$ curl -i -H "Content-Type: application/json" -X POST -d '{"sdf":
 "Hello world!"}' http://localhost:5000/api/v1/storage/json/write
HTTP/1.1 200 OK
Server: Werkzeug/2.2.3 Python/3.9.16
Date: Fri, 31 Mar 2023 22:13:47 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 18
Connection: close

Succesfully added!eugene@eugene:~$
```

Все данные:

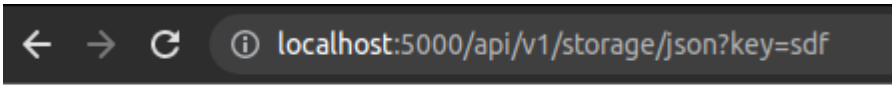



```
{"1":["Moscow","Hello world!"],"sdf":["Hello world!"]}
```

Данные по ключу:



Moscow, Hello world!



Hello world!

Задание 2.1

Сделал сразу через плейбук.
Но само задание делается путем изменения файла /etc/nginx/nginx.conf
Для веб-серверов:

```
events {
   worker_connections 768;
}

http {
   server {
       location / {
           return 200 "Hello Word! \n Server 1";
       }
   }
}
```

Для балансировщика на:

```
events {
   worker_connections 768;
}

http {
   upstream web {
       server 192.168.0.136;
       server 192.168.0.137;
   }

   server {
       location / {
           proxy_pass http://web;
       }
   }
}
```

Далее обращаемся к балансировщику, который редиректит на один из серверов.
Скрин результата такой же, как и в задании 2.2.

Задание 2.2

Хосты:

```
[webservers]
```

```
web1 ansible_host=192.168.0.136 ansible_user=vagrant conf_file=nginx1
web2 ansible_host=192.168.0.137 ansible_user=vagrant conf_file=nginx2

[loadbalancers]
lb1 ansible_host=192.168.0.139 ansible_user=vagrant
```

Создаем две роли: set_web и set_balanceloader
Основной плейбук:

```
---
- hosts: webservers:loadbalancers
 tasks:
   - name: Install nginx
     apt:
       name: nginx
       state: latest
       update_cache: yes
     become: true

- name: Configure webservers
 hosts: webservers
 roles:
   - set_web

- name: Configure loadbalancers
 hosts: loadbalancers
 roles:
   - set_loadbalancer
```

Пример таска из роли set_web:

```
---
 - name: Set nginx.conf on webservers
   copy:
     src: "{{ conf_file }}.conf"
     dest: "{{ dest_path }}"
   become: true

   notify:
     - Restart nginx
```

Хендлер:

```
---
 - name: Restart nginx
```

```
  service:
    name: nginx
    state: restarted
  become: true
```

Реузультат обращения к балансировщику: