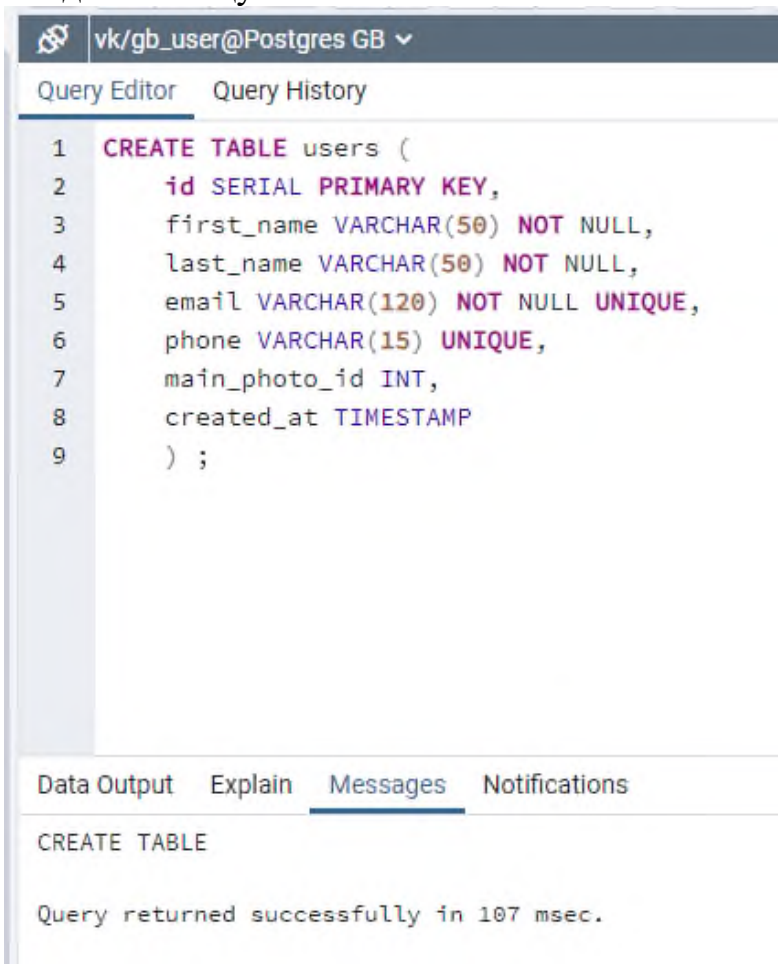


Создал базу данных vk

```
master@master-VirtualBox:~$ sudo su - postgres
[sudo] password for master:
postgres@master-VirtualBox:~$ psql
psql (12.13 (Ubuntu 12.13-1.pgdg20.04+1))
Type "help" for help.

postgres=# CREATE DATABASE vk;
CREATE DATABASE
postgres=# GRANT ALL PRIVILEGES ON DATABASE vk to gb_user;
GRANT
postgres=#
```

Создал таблицу users



The screenshot shows a PostgreSQL Query Editor window with the title 'vk/gb_user@Postgres GB'. The 'Query Editor' tab is active, displaying a SQL query to create a table named 'users'. The query is as follows:

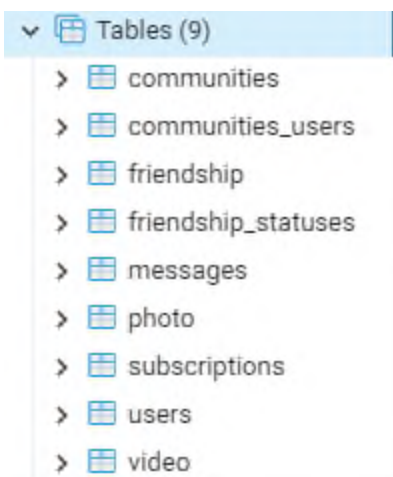
```
1 CREATE TABLE users (
2     id SERIAL PRIMARY KEY,
3     first_name VARCHAR(50) NOT NULL,
4     last_name VARCHAR(50) NOT NULL,
5     email VARCHAR(120) NOT NULL UNIQUE,
6     phone VARCHAR(15) UNIQUE,
7     main_photo_id INT,
8     created_at TIMESTAMP
9 ) ;
```

Below the query editor, the 'Messages' tab is active, showing the following message:

```
CREATE TABLE

Query returned successfully in 107 msec.
```

По аналогии создал другие таблицы



The screenshot shows a database table list with the title 'Tables (9)'. The list contains the following tables:

- > communities
- > communities_users
- > friendship
- > friendship_statuses
- > messages
- > photo
- > subscriptions
- > users
- > video

Затем заполнил их фейкарными данными используя программу generatedata.com

Создал дамп базы данных vk и сохранил в файл

```
postgres@master-VirtualBox:~$ pg_dump vk > vk.dump.sql
postgres@master-VirtualBox:~$ ls
12 vk.dump.sql
postgres@master-VirtualBox:~$
```

Просмотрел содержимое файла

```
postgres@master-VirtualBox:~$ cat vk.dump.sql
--
-- PostgreSQL database dump
--

-- Dumped from database version 12.13 (Ubuntu 12.13-1.pgdg20.04+1)
-- Dumped by pg_dump version 12.13 (Ubuntu 12.13-1.pgdg20.04+1)

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
SET client_encoding = 'UTF8';
SET standard_conforming_strings = on;
SELECT pg_catalog.set_config('search_path', '', false);
SET check_function_bodies = false;
SET xmloption = content;
SET client_min_messages = warning;
SET row_security = off;

SET default_tablespace = '';

SET default_table_access_method = heap;

--
-- Name: communities; Type: TABLE; Schema: public; Owner: gb_user
--

CREATE TABLE public.communities (
    id integer NOT NULL,
    name character varying(120),
    creator_id integer NOT NULL,
    created_at timestamp without time zone
);

ALTER TABLE public.communities OWNER TO gb_user;
```

Проверил что таблицы также заполнены данными .


```
--
-- Data for Name: communities; Type: TABLE DATA; Schema: public; Owner: gb_user
--

COPY public.communities (id, name, creator_id, created_at) FROM stdin;
1      Et Ultrices Posuere Industries      7      2022-02-06 00:00:00
2      Ligula Corporation      114     2023-06-24 00:00:00
3      Cras LLP      115     2022-08-01 00:00:00
4      A Enim Consulting      79      2021-11-16 00:00:00
5      A Ltd      23      2021-09-13 00:00:00
6      Neque Nullam Foundation      37      2021-12-11 00:00:00
7      Pedesuspendisse Dui Corporation      62      2022-08-07 00:00:00
8      Neque Limited      47      2021-09-27 00:00:00
9      Donec Est Inc.      114     2022-09-16 00:00:00
10     Phasellus Ornare Ltd      55      2022-02-15 00:00:00
11     Ac Metus Vitae Corp.      57      2021-10-19 00:00:00
12     Quam A PC      103     2022-04-08 00:00:00
13     Sodales Incorporated      142     2021-12-29 00:00:00
14     Nec Institute      90      2021-10-26 00:00:00
15     Pellentesque Tincidunt Company      13      2021-09-16 00:00:00
16     Nullam Lobortis Quam Limited      64      2023-01-16 00:00:00
17     Nonummy Limited      137     2022-05-31 00:00:00
18     Integer Aliquam Adipiscing Institute      25      2021-12-14 00:00:00
19     Dolor LLP      68      2022-10-24 00:00:00
20     Facilisis Suspendisse Associates      125     2022-12-16 00:00:00
21     Feugiat Lorem Institute      82      2022-03-24 00:00:00
22     Ac Metus Institute      134     2022-08-15 00:00:00
23     Auctor Odio Ltd      12      2022-08-23 00:00:00
24     Mattis LLP      90      2022-09-05 00:00:00
25     Orci Ltd      37      2022-03-04 00:00:00
26     Convallis Dolor LLP      71      2023-04-08 00:00:00
27     Ac Fermentum Vel Incorporated      69      2021-10-14 00:00:00
28     Urna Suscipit Foundation      37      2022-01-29 00:00:00
29     Commodore Hendrerit Donec Company      129     2022-12-28 00:00:00
30     Dapibus Inc.      103     2023-03-03 00:00:00
31     Ornare Facilisis Eget LLC      89      2023-01-30 00:00:00
32     Non Luctus Sit Corporation      21      2023-03-16 00:00:00
```

Query EditorQuery History

1 SELECT * FROM users;

2

Data Output

Explain

Messages

Notifications

	id	first_name	last_name	email	phone	main_photo_id	created_at
	[PK] integer	character varying (50)	character varying (50)	character varying (120)	character varying (15)	integer	timestamp without time zone
1	1	Fritz	Wolf	nonummy.fusce@icloud.couk	(258) 845-6313	137	2023-04-23 00:00:00
2	2	Halla	Perez	tempus.mauris@yahoo.edu	1-638-976-1533	69	2022-12-18 00:00:00
3	3	Meredith	Carney	non.enim@icloud.couk	1-115-673-6882	5	2022-03-17 00:00:00
4	4	Xandra	Dale	nullam.ut.nisi@yahoo.edu	1-959-119-6126	143	2021-10-13 00:00:00
5	5	Evelyn	Hickman	nulla.tempor@hotmail.net	1-157-827-5419	4	2023-02-25 00:00:00
6	6	Todd	Newton	eleifend.cras@icloud.com	1-676-519-1237	146	2022-11-08 00:00:00
7	7	Raphael	Guy	ultrices.ornare@icloud.couk	(943) 667-0386	55	2022-11-19 00:00:00
8	8	Zachary	Sellers	ipsum@icloud.com	(247) 517-2213	61	2023-02-25 00:00:00
9	9	Ulysses	Schneider	ut@google.couk	(283) 445-8267	131	2022-04-25 00:00:00
10	10	Sheila	Burgess	posuere.at@hotmail.net	1-518-448-4528	62	2022-04-26 00:00:00
11	11	Margaret	Saunders	lorem.tristique@yahoo.com	(228) 511-2387	69	2023-05-12 00:00:00
12	12	Mia	Powers	ligula.nullam@google.edu	1-491-331-1923	78	2022-07-02 00:00:00
13	13	Anastasia	Pope	nam.consequat@outlook.couk	1-873-406-4154	76	2023-06-20 00:00:00
14	14	MacKensie	Dillard	cum.sociis.natoque@aol.couk	(324) 642-5045	95	2022-07-29 00:00:00
15	15	Quail	Holmes	a.felis@protonmail.com	(152) 379-6612	128	2021-10-28 00:00:00
16	16	Uta	Spencer	ullamcorper.duis@google.net	1-288-540-0485	118	2021-09-30 00:00:00
17	17	Noah	Mueller	non.lobortis@icloud.com	(484) 721-4785	128	2023-02-25 00:00:00
18	18	Gail	Velasquez	mollis.dui@google.net	1-507-900-5084	31	2023-04-14 00:00:00
19	19	Audra	Cain	gravida.aliquam@google.com	(184) 867-7963	71	2023-04-19 00:00:00
20	20	Edward	O'brien	vestibulum.massa@google.edu	1-580-888-5567	127	2022-01-09 00:00:00
21	21	Tiger	Beck	aliquet.sem@protonmail.couk	1-330-289-4461	137	2023-05-17 00:00:00
22	22	Wyoming	Whitley	dolor.quam@hotmail.net	1-227-641-4319	38	2021-08-08 00:00:00