

Практическое задание №4

1) Повторить все действия по доработке БД vk.

Повторил. Ничего не доработал.

2) Заполнить новые таблицы.

Таблицы заполнил. Скрипт с сайта не выполнялся, так как в нем как я понял нарушена последовательность заполнения таблиц. Я заполнил таблицы в последовательности их генерации, то есть сначала users, потом messages и так далее. Возникла проблема с таблицей friend_requests (initiator_user_id и target_user_id в сгенерированной таблице совпадали, поменял руками сколько смог). Подтверждение заполнения таблиц базы vk.

```
mysql> select count(*) from users;
+-----+
| count(*) |
+-----+
|      527 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from messages;
+-----+
| count(*) |
+-----+
|     8000 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from communities;
+-----+
| count(*) |
+-----+
|      150 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from media_types;
+-----+
| count(*) |
+-----+
|         4 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from users_communities;
+-----+
| count(*) |
+-----+
|     1000 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select count(*) from likes;
+-----+
| count(*) |
+-----+
|      990 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select count(*) from media;
+-----+
| count(*) |
+-----+
|    10000 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from photo_albums;
+-----+
| count(*) |
+-----+
|      100 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from photos;
+-----+
| count(*) |
+-----+
|     1100 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from profiles;
+-----+
| count(*) |
+-----+
|      500 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from friend_requests;
+-----+
| count(*) |
+-----+
|        26 |
+-----+
1 row in set (0.00 sec)
```

3) Повторить все действия CRUD.

INSERT

```
mysql> use vk;
Database changed
mysql> INSERT INTO users (id, firstname, lastname, email, phone) VALUES ('2001', 'Dean', 'Boo', 'den67@mail.ru', '9160120629');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> SELECT * FROM users WHERE id = 2001;
+-----+-----+-----+-----+-----+-----+
| id    | firstname | lastname | email          | password_hash | phone      |
+-----+-----+-----+-----+-----+-----+
| 2001  | Dean      | Boo      | den67@mail.ru  | NULL          | 9160120629 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> INSERT INTO users VALUES ('2002', 'Kate', 'Flint', 'kate115@exambel.com', NULL, 9100120115), ('2003', 'Peter', 'Parker', 'pet226@exambel.com', NULL, 9050120226), ('2004', 'Leo', 'Nardo', 'leo337@exambel.com', NULL, 9500120337), ('2005', 'Dean', 'Ti', 'den448@exambel.com', NULL, 9200120448);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM users WHERE id IN (2002, 2003, 2004, 2005);
+-----+-----+-----+-----+-----+-----+
| id    | firstname | lastname | email          | password_hash | phone      |
+-----+-----+-----+-----+-----+-----+
| 2002  | Kate      | Flint    | kate115@exambel.com | NULL          | 9100120115 |
| 2003  | Peter     | Parker   | pet226@exambel.com | NULL          | 9050120226 |
| 2004  | Leo       | Nardo    | leo337@exambel.com | NULL          | 9500120337 |
| 2005  | Dean      | Ti       | den448@exambel.com | NULL          | 9200120448 |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> |
```

```
mysql> INSERT INTO users SET firstname= 'Ivan', lastname= 'Divanov', email= 'inav@mail.ru', phone= 9660166412;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> SELECT * FROM users WHERE phone = 9660166412;
+-----+-----+-----+-----+-----+-----+
| id    | firstname | lastname | email          | password_hash | phone      |
+-----+-----+-----+-----+-----+-----+
| 2006  | Ivan      | Divanov  | inav@mail.ru   | NULL          | 9660166412 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

UPDATE

```
mysql> UPDATE users SET phone = 5522112255 WHERE phone = 9660166412;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> SELECT * FROM users WHERE id=2006;
+-----+-----+-----+-----+-----+-----+
| id    | firstname | lastname | email          | password_hash | phone      |
+-----+-----+-----+-----+-----+-----+
| 2006  | Ivan      | Divanov  | inav@mail.ru   | NULL          | 5522112255 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

DELETE

```
mysql> DELETE FROM users WHERE id = 2006;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM users WHERE id=2006;
Empty set (0.00 sec)

mysql> |
```

SELECT

```
mysql> SELECT * FROM users WHERE id > 1500 LIMIT 3;
```

id	firstname	lastname	email	password_hash	phone
1501	Elna	Ebert	okuneva.lou@example.org	f76ad9bcbcb40064090c0eb21aa2b8b9c5f63208	69
1503	Genoveva	Legros	zella.streich@example.com	826e13004581a1aaae6bc69f5b15155402dea275	25639
1504	Winfield	Purdy	huels.abdiel@example.com	560afe7f1df5a8379da824158fd034cd4c3df0f5	901868758

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM profiles WHERE gender = 'f' and user_id > 1800 LIMIT 5;
```

user_id	gender	birthday	photo_id	created_at	hometown
1802	f	2000-09-06	432	1972-01-19 01:47:52	NULL
1806	f	1991-10-29	435	1977-11-13 07:58:40	NULL
1807	f	2015-04-18	436	2014-01-25 02:43:42	NULL
1819	f	1985-10-29	442	2016-01-17 15:34:22	NULL
1821	f	1994-12-28	444	1993-07-30 05:54:15	NULL

5 rows in set (0.00 sec)

```
mysql> SELECT firstname, lastname FROM users limit 5;
```

firstname	lastname
Abdiel	Funk
Abdiel	Marks
Adaline	Kunde
Adelbert	Grimes
Adeline	Mertz

5 rows in set (0.00 sec)

```
mysql> SELECT * FROM users WHERE id IN (1010, 1020, 1030, 1040);
```

id	firstname	lastname	email	password_hash	phone
1010	Christiana	Ernser	dach.toni@example.net	451f1912198e202487e01d8dbb6660d9ef3c65bc	83
1020	Samanta	McDermott	mante.samson@example.com	1bc6e7561b8db14b16c0e6e533cac683248f3b5a	821
1040	Madison	D'Amore	susanna75@example.org	1383e88e6026bdfc442435dc2624c6d5ef9dbe3	68

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM users WHERE id = 1199 OR firstname = 'Samanta';
```

id	firstname	lastname	email	password_hash	phone
1020	Samanta	McDermott	mante.samson@example.com	1bc6e7561b8db14b16c0e6e533cac683248f3b5a	821
1199	Ole	Ebert	reilly.brain@example.net	4ac8eef75fa4515d58c7b4fbdf8ec71c9114b51f	61

2 rows in set (0.00 sec)

4) Подобрать сервис-образец для курсовой работы.

Для курсовой работы я выбрал сервис-образец веб-сайта Кинопоиск (<https://www.kinopoisk.ru>).