Создаем новую базу данных
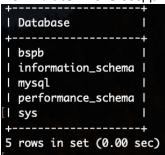
show databases;

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.00 sec)
```

create database bspb;

show databases;

Появилась вновь созданная БД:

```
+--------------------+
| Database           |
+--------------------+
| bspb               |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)
```

use bspb;

Создаем и заполняем таблицу «Authorization»

CREATE TABLE Authorization (
id INT(50) PRIMARY KEY AUTO_INCREMENT,
login VARCHAR(30) NOT NULL,
password VARCHAR(50) NOT NULL);

INSERT INTO Authorization (id, login, password)
VALUES
(1, 'Cath_123', '654123abc'),
(2, 'Fedja_fed', 'jhk16567hg'),
(3, 'Nick1989', '576xxdcs6567'),
(4, 'Dana_din','1010nono');

SELECT * FROM Authorization;

```
+----+-----------+--------------+
| id | login     | password     |
+----+-----------+--------------+
|  1 | Cath_123  | 654123abc    |
|  2 | Fedja_fed | jhk16567hg   |
|  3 | Nick1989  | 576xxdcs6567 |
|  4 | Dana_din  | 1010nono     |
+----+-----------+--------------+
4 rows in set (0.00 sec)
```

Создаем и заполняем таблицу «Users»

```
CREATE TABLE Users (
id INT(50) PRIMARY KEY AUTO_INCREMENT,
first_name VARCHAR(50),
last_name VARCHAR(50),
email VARCHAR(30),
phone BIGINT,
VKontakte VARCHAR(50),
auth_id INT(30),
FOREIGN KEY Users (auth_id) REFERENCES Authorization (id) );
```

```
INSERT INTO Users (id, first_name, last_name, email, phone, VKontakte, auth_id)
VALUES
(1, 'Ekaterina', 'Ivanova', 'ivanova@gmail.com', 89051234567,
'https://vk.com/ekaterina_ivanova', 1),
(2, 'Fedor', 'Kovalev', 'fkoval@mail.ru', 79631112244, 'https://vk.com/fed_2929', 2),
(3, 'Nikolay', 'Petrov', '89069056789@mail.ru', 89069056789, 'https://vk.com/id110297457', 3),
(4, 'Dana', 'Gruzdeva', 'gruzdeva_daniela@yandex.ru', 89168751567,
'https://vk.com/id167985634', 4);
```

```
+----+------------+-----------+----------------------------+--------------+----------------------------------+---------+
| id | first_name | last_name | email                      | phone        | VKontakte                        | auth_id |
+----+------------+-----------+----------------------------+--------------+----------------------------------+---------+
|  1 | Ekaterina  | Ivanova   | ivanova@gmail.com          | 89051234567  | https://vk.com/ekaterina_ivanova |       1 |
|  2 | Fedor      | Kovalev   | fkoval@mail.ru             | 79631112244  | https://vk.com/fed_2929          |       2 |
|  3 | Nikolay    | Petrov    | 89069056789@mail.ru        | 89069056789  | https://vk.com/id110297457       |       3 |
|  4 | Dana       | Gruzdeva  | gruzdeva_daniela@yandex.ru | 89168751567  | https://vk.com/id167985634       |       4 |
+----+------------+-----------+----------------------------+--------------+----------------------------------+---------+
4 rows in set (0.00 sec)
```

Создаем и заполняем таблицу «Messages»

```
CREATE TABLE Messages (
id INT(50),
users_id INT(50),
type VARCHAR(50),
date DATE,
message_text TEXT(1000),
FOREIGN KEY Messages (users_id) REFERENCES Users (id) );
```

```
INSERT INTO Messages (id, users_id, type, date, message_text)
VALUES
(1, 1, 'Message', '2023-02-11', 'Why are you ignoring me?'),
(2, 2, 'Application', '2023-05-24', 'Re: LOAN_LIMIT_CHANGE'),
(3, 3, 'Messages', '2024-01-19', 'Please give me more details about the question of credit
cards'),
(4, 4, 'Application', '2024-03-22', 'Application for clarification of transfer details');
```

```
+------+----------+-------------+------------+----------------------------------------------------------------+
| id   | users_id | type        | date       | message_text                                                   |
+------+----------+-------------+------------+----------------------------------------------------------------+
|    1 |        1 | Messages    | 2023-02-11 | Why are you ignoring me?                                       |
|    2 |        2 | Application | 2023-05-24 | Re: LOAN_LIMIT_CHANGE                                          |
|    3 |        3 | Messages    | 2024-01-19 | Please give me more details about the question of credit cards |
|    4 |        4 | Application | 2024-03-22 | Application for clarification of transfer details              |
+------+----------+-------------+------------+----------------------------------------------------------------+
4 rows in set (0.00 sec)
```

Создаем и заполняем таблицу «Balance»

```
CREATE TABLE Balance (
users_id INT(50),
account_type VARCHAR(30),
account_name VARCHAR(30),
account_number VARCHAR(100),
card_name VARCHAR(30),
card_number BIGINT,
card_status VARCHAR(30),
balance DECIMAL(10, 2),
FOREIGN KEY Balance (users_id) REFERENCES Users (id) );

INSERT INTO Balance (users_id, account_type, account_name, account_number, card_name,
card_number, card_status, balance)
VALUES
(1, 'Debit', 'Salary', '50817 810 0 4800 0104467', 'Travel', 4797290055036192, 'Actual',
113000.00),
(1, 'Debit', 'Cumulative', '40817 810 3 1555 5555543', 'Gold', 4797727315622224, 'Actual',
289007.89),
(2, 'Credit', 'Consumer', '30601 810 8 2000 012661', 'Virtual', 4797695512309631, 'Blocked',
0.00),
(3, 'Debit', 'Salary','42301 810 0 9000 0000001', 'Premium', 1254050361929800, 'Actual',
55000.00),
(4, 'Debit', 'Cumulative', '90317 510 3 1589 5005523', 'Virtual', 1293757112437294, 'Blocked',
0.00),
(4, 'Credit', 'Consumer', '50830 510 8 3211 1188341', 'Travel', 4592650014102411, 'Actual',
599000.99);
```

```
+---------+--------------+--------------+---------------------------+-----------+------------------+-------------+-----------+
| users_id | account_type | account_name | account_number           | card_name | card_number      | card_status | balance   |
+---------+--------------+--------------+---------------------------+-----------+------------------+-------------+-----------+
|       1 | Debit        | Salary       | 50817 810 0 4800 0104467 | Travel    | 4797290055036192 | Actual      | 113000.00 |
|       1 | Debit        | Cumulative   | 40817 810 3 1555 5555543 | Gold      | 4797727315622224 | Actual      | 289007.89 |
|       2 | Credit       | Consumer     | 30601 810 8 2000 012661  | Virtual   | 4797695512309631 | Blocked     |      0.00 |
|       3 | Debit        | Salary       | 42301 810 0 9000 0000001 | Premium   | 1254050361929800 | Actual      |  55000.00 |
|       4 | Debit        | Cumulative   | 90317 510 3 1589 5005523 | Virtual   | 1293757112437294 | Blocked     |      0.00 |
|       4 | Credit       | Consumer     | 50830 510 8 3211 1188341 | Travel    | 4592650014102411 | Actual      | 599000.99 |
+---------+--------------+--------------+---------------------------+-----------+------------------+-------------+-----------+
6 rows in set (0.01 sec)
```