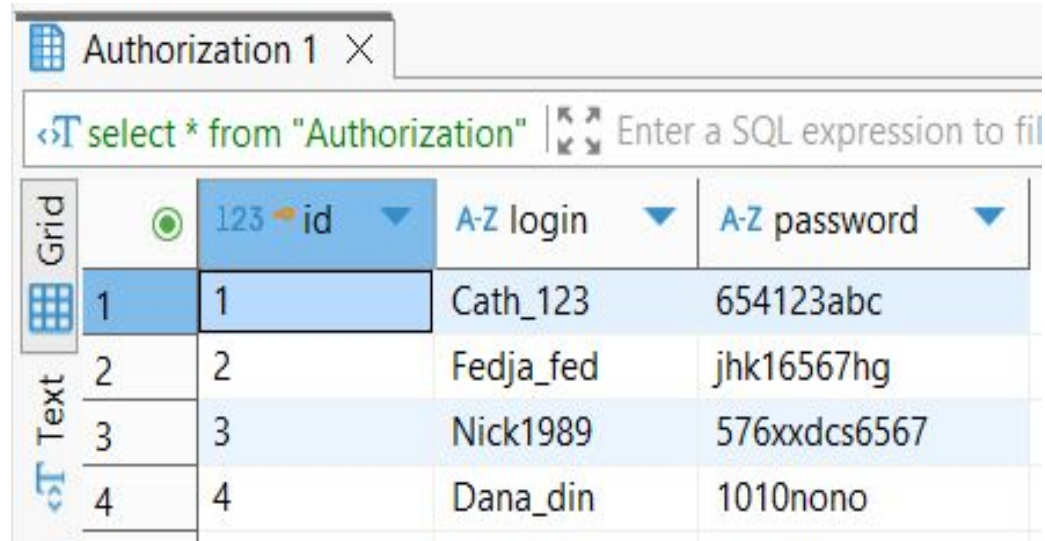


# SQL

## Создаем и заполняем таблицу “Authorization”

```
CREATE TABLE Authorization (  
  id INT(50) PRIMARY KEY,  
  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;
```



	123 id	A-Z login	A-Z password
1	1	Cath_123	654123abc
2	2	Fedja_fed	jhk16567hg
3	3	Nick1989	576xxdcs6567
4	4	Dana_din	1010nono

# Создаем и заполняем таблицу «Users»

```
CREATE TABLE Users ( id INT(50) PRIMARY KEY,
```

```
first_name VARCHAR(50),
```

```
last_name VARCHAR(50),
```

```
email VARCHAR(30),
```

```
phone BIGINT,
```

```
Vkontakte VARCHAR(50),
```

```
auth_id INT(30),
```

```
FOREIGN KEY (auth_id) REFERENCES Authorization (id) );
```

```
INSERT INTO Users (id, first_name, last_name, email, phone, VKontakte, auth_id)
```

```
VALUES (1, 'Aleksandr', 'Molin', '89266826315@mail.ru', 89689666596, 'https://vk.com/moliano', 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);
```

select \* from Users  Enter a SQL expression to filter results (use Ctrl+Space)

Grid	<div><div></div><div>123 id</div><div></div></div>	A-Z first_name	A-Z last_name	A-Z email	A-Z phone	A-Z VKontakte	123 auth_id	
	1	1	Aleksandr	Molin	89266826315@mail.ru	89689666596	<a href="https://vk.com/moliano">https://vk.com/moliano</a>	1
	2	2	Fedor	Kovalev	fkoval@mail.ru	79631112244	<a href="https://vk.com/fed_2929">https://vk.com/fed_2929</a>	2
	3	3	Nikolay	Petrov	89069056789@mail.ru	89069056789	<a href="https://vk.com/id110297457">https://vk.com/id110297457</a>	3
	4	4	Dana	Gruzdeva	gruzdeva_daniela@yandex.ru	89168751567	<a href="https://vk.com/id167985634">https://vk.com/id167985634</a>	4
Text								

# 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 (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');
```

Messages 1						
<T select * from Messages   Enter a SQL expression to filter results (use Ctrl+Space)						
Grid		123 id	123 users_id	A-Z type	A-Z date	A-Z message_text
1		1	1	Message	2023-02-11	Why are you ignoring me?
2		2	2	Application	2023-05-24	Re: LOAN_LIMIT_CHANGE
3		3	3	Messages	2024-01-19	Please give me more details about the question of credit cards
4		4	4	Application	2024-03-22	Application for clarification of transfer details

## 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 (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);
```

Enter a SQL expression to filter results (use Ctrl+Space)

<div>Grid</div> <div>Text</div>	<div><div><div></div><div>123</div><div>users_id</div></div></div>	<div>A-Z</div> account_type	<div>A-Z</div> account_name	<div>A-Z</div> account_number	<div>A-Z</div> card_name	<div>123</div> card_number	<div>A-Z</div> card_status	<div>123</div> balance	
	1	1	Debit	Salary	50817 810 0 4800 0104467	Travel	4797290055036192	Actual	113,000
	2	1	Debit	Cumulative	40817 810 3 1555 5555543	Gold	4797727315622224	Actual	289,007.89
	3	2	Credit	Consumer	30601 810 8 2000 012661	Virtual	4797695512309631	Blocked	0
	4	3	Debit	Salary	42301 810 0 9000 0000001	Premium	1254050361929800	Actual	55,000
	5	4	Debit	Cumulative	90317 510 3 1589 5005523	Virtual	1293757112437294	Blocked	0
	6	4	Credit	Consumer	50830 510 8 3211 1188341	Travel	4592650014102411	Actual	599,000.99