

```
MySQL 8.0 Command Line Client

mysql> insert into data values (
-> 5,
-> 'Evgen',
-> 'Karasik',
-> 50,
-> 'Kyiv');
Query OK, 1 row affected (0.01 sec)

mysql> select * from data;
+-----+-----+-----+-----+-----+
| id | fname | lname | age | city |
+-----+-----+-----+-----+
| 1 | Olga | Bulko | 35 | Dnipro |
| 2 | Igor | Romanov | 44 | Kharkiv |
| 3 | Oleksiy | Ivanko | 19 | Lviv |
| 4 | Anastasia | Bulko | 25 | Lviv |
| 5 | Evgen | Karasik | 50 | Kyiv |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from data where city = 'Kyiv';
+-----+-----+-----+-----+-----+
| id | fname | lname | age | city |
+-----+-----+-----+-----+
| 5 | Evgen | Karasik | 50 | Kyiv |
+-----+-----+-----+-----+
1 row in set (0.01 sec)

mysql>
```

2. Вибрати усі прізвище людей не з Харкова

```
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+-----+-----+-----+-----+-----+
| 2 | Igor | Romanov | 44 | Kharkiv |
| 3 | Oleksiy | Ivanko | 19 | Lviv |
| 4 | Anastasia | Bulko | 25 | Lviv |
| 5 | Evgen | Karasik | 50 | Kyiv |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from data where city = 'Kyiv';
+-----+-----+-----+-----+-----+
| id | fname | lname | age | city |
+-----+-----+-----+-----+
| 5 | Evgen | Karasik | 50 | Kyiv |
+-----+-----+-----+-----+
1 row in set (0.01 sec)

mysql> select * from table where city != 'Kharkiv';
ERROR 1064 (42000): You have an error in your SQL syntax; ch
for the right syntax to use near 'table where city != 'Khar
mysql> select * from data where city != 'Kharkiv';
+-----+-----+-----+-----+-----+
| id | fname | lname | age | city |
+-----+-----+-----+-----+
| 1 | Olga | Bulko | 35 | Dnipro |
| 3 | Oleksiy | Ivanko | 19 | Lviv |
| 4 | Anastasia | Bulko | 25 | Lviv |
| 5 | Evgen | Karasik | 50 | Kyiv |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

3. Вибрати імена і прізвища людей, яким більше 25 років

```
mysql> select fname,lname from data where age>25;
+-----+-----+
| fname | lname |
+-----+-----+
| Olga  | Bulko |
| Igor  | Romanov |
| Evgen | Karasik |
+-----+-----+
3 rows in set (0.01 sec)

mysql>
```

4. Вибрати міста для записів з порядковим номером менше 4

```
mysql> select * from data where id<4;
+-----+-----+-----+-----+-----+
| id  | fname | lname | age | city |
+-----+-----+-----+-----+-----+
| 1   | Olga  | Bulko | 35  | Dnipro |
| 2   | Igor  | Romanov | 44  | Kharkiv |
| 3   | Oleksiy | Ivanko | 19  | Lviv |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

5. Вибрати всі дані про людей, яким не менше 25 років

```
mysql> select * from data where age>25;
+-----+-----+-----+-----+-----+
| id  | fname | lname | age | city |
+-----+-----+-----+-----+-----+
| 1   | Olga  | Bulko | 35  | Dnipro |
| 2   | Igor  | Romanov | 44  | Kharkiv |
| 5   | Evgen | Karasik | 50  | Kyiv |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

6. Виберіть прізвище Ivanko і всі прізвища, які стоять в алфавітному порядку перед нею

```
mysql> select * from data where lname <= 'Ivanko' order by lname;
+-----+-----+-----+-----+-----+
| id  | fname    | lname  | age  | city   |
+-----+-----+-----+-----+-----+
| 1   | Olga     | Bulko  | 35   | Dnipro |
| 4   | Anastasia | Bulko  | 25   | Lviv   |
| 1   | Oksana   | Cat    | 45   | Dnipro |
| 3   | Oleksiy  | Ivanko  | 19   | Lviv   |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

7. Вивести сумарний вік всіх жителів Львова

```
mysql> use data;
Database changed
mysql> select sum(age) from data;
+-----+
| sum(age) |
+-----+
|      173 |
+-----+
1 row in set (0.01 sec)

mysql> select sum(age) from data where city = 'Lviv';
+-----+
| sum(age) |
+-----+
|       44 |
+-----+
1 row in set (0.00 sec)

mysql>
```

8. Показати мінімальний вік з жителів Львова

```
mysql> select min(age) from data where city = 'Lviv';
+-----+
| min(age) |
+-----+
|      19 |
+-----+
1 row in set (0.01 sec)

mysql>
```

9. Показати максимальний вік з наших городян

```
mysql> select * max(age) from data;
ERROR 1064 (42000): You have an error in your SQL syntax; check the m
for the right syntax to use near 'max(age) from data' at line 1
mysql> select max(age) from data;
+-----+
| max(age) |
+-----+
|      50 |
+-----+
1 row in set (0.00 sec)

mysql> select max(age) from data where city = 'Lviv';
+-----+
| max(age) |
+-----+
|      25 |
+-----+
1 row in set (0.00 sec)

mysql>
```

10. Показати середній вік городян

```
mysql> select avg(age) from data;
+-----+
| avg(age) |
+-----+
| 34.6000 |
+-----+
1 row in set (0.01 sec)

mysql> select avg(age) from data where city = 'Lviv';
+-----+
| avg(age) |
+-----+
| 22.0000 |
+-----+
1 row in set (0.00 sec)

mysql>
```

Порахувати кількість людей, що живуть в Дніпрі

```
mysql> select count(id) from data where city = 'Dnipro';
+-----+
| count(id) |
+-----+
| 1 |
+-----+
1 row in set (0.00 sec)

mysql> insert into data values (
    -> 1,
    -> 'Oksana',
    -> 'Cat',
    -> 45,
    -> 'Dnipro'
    -> );
Query OK, 1 row affected (0.01 sec)

mysql> select count(id) from data where city = 'Dnipro';
+-----+
| count(id) |
+-----+
| 2 |
+-----+
1 row in set (0.00 sec)

mysql>
```

12. Знайти всі записи де ім'я включає букву "о" та прізвище НЕ Ivanko

```
mysql> select * from data where fname like '%%' and lname != 'Ivanko';
```

id	fname	lname	age	city
1	Olga	Bulko	35	Dnipro
2	Igor	Romanov	44	Kharkiv
1	Oksana	Cat	45	Dnipro

```
3 rows in set (0.00 sec)
```

```
mysql>
```