

## Создадим базу данных:

```
polikarpov-ea@ubiserver: ~  
Смотрите https://ubuntu.com/esm или выполните: sudo pro status  
  
Last login: Wed Nov  1 16:50:23 2023  
polikarpov-ea@ubiserver: $ mysql  
ERROR 1045 (28000): Access denied for user 'polikarpov-ea'@'localhost' (using password: NO)  
polikarpov-ea@ubiserver: $ mysql -p  
Enter password:  
ERROR 1045 (28000): Access denied for user 'polikarpov-ea'@'localhost' (using password: YES)  
polikarpov-ea@ubiserver: $ mysql -u root -p Altair  
Enter password:  
ERROR 1049 (42000): Unknown database 'Altair'  
polikarpov-ea@ubiserver: $ mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 11  
Server version: 8.0.35 MySQL Community Server - GPL  
  
Copyright (c) 2000, 2023, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> CREATE DATABASE human_friends;  
Query OK, 1 row affected (1,57 sec)  
  
mysql> USE human_friends;  
Database changed  
mysql>
```

## Далее в созданной БД создадим соответствующие таблицы:

```
mysql> CREATE TABLE animal_type (  
    -> id_type INT NOT NULL AUTO_INCREMENT,  
    -> name_type VARCHAR(25) NOT NULL,  
    -> PRIMARY KEY(id_type));
```

```
polikarpov-ea@ubiserver: ~  
ERROR 1045 (28000): Access denied for user 'polikarpov-ea'@'localhost' (using password: YES)  
polikarpov-ea@ubiserver: $ mysql -u root -p Altair  
Enter password:  
ERROR 1049 (42000): Unknown database 'Altair'  
polikarpov-ea@ubiserver: $ mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 11  
Server version: 8.0.35 MySQL Community Server - GPL  
  
Copyright (c) 2000, 2023, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> CREATE DATABASE human_friends;  
Query OK, 1 row affected (1,57 sec)  
  
mysql> USE human_friends;  
Database changed  
mysql> CREATE TABLE dogs (  
    -> ^C  
mysql> CREATE TABLE animal_type (  
    -> id_type INT NOT NULL AUTO_INCREMENT,  
    -> name_type VARCHAR(25) NOT NULL,  
    -> PRIMARY KEY(id_type));  
Query OK, 0 rows affected (3,69 sec)  
  
mysql>
```

mysql> CREATE TABLE dogs (

-> id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

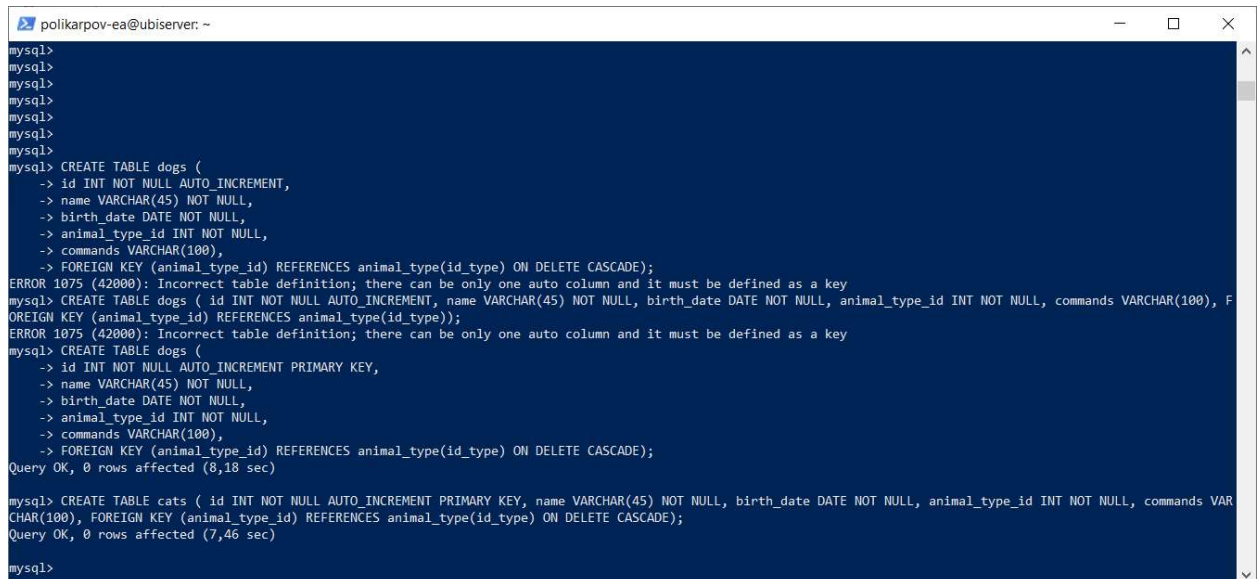
-> name VARCHAR(45) NOT NULL,

-> birth\_date DATE NOT NULL,

-> animal\_type\_id INT NOT NULL,

-> commands VARCHAR(100),

-> FOREIGN KEY (animal\_type\_id) REFERENCES animal\_type(id\_type) ON DELETE CASCADE);



```
polikarpov-ea@ubiserver: ~  
mysql>  
mysql>  
mysql>  
mysql>  
mysql>  
mysql>  
mysql> CREATE TABLE dogs (  
-> id INT NOT NULL AUTO_INCREMENT,  
-> name VARCHAR(45) NOT NULL,  
-> birth_date DATE NOT NULL,  
-> animal_type_id INT NOT NULL,  
-> commands VARCHAR(100),  
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
ERROR 1075 (42000): Incorrect table definition; there can be only one auto column and it must be defined as a key  
mysql> CREATE TABLE dogs ( id INT NOT NULL AUTO_INCREMENT, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), F  
OREIGN KEY (animal_type_id) REFERENCES animal_type(id_type));  
ERROR 1075 (42000): Incorrect table definition; there can be only one auto column and it must be defined as a key  
mysql> CREATE TABLE dogs (  
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
-> name VARCHAR(45) NOT NULL,  
-> birth_date DATE NOT NULL,  
-> animal_type_id INT NOT NULL,  
-> commands VARCHAR(100),  
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (8.18 sec)  
  
mysql> CREATE TABLE cats ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VAR  
CHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (7.46 sec)  
  
mysql>
```

mysql> CREATE TABLE cats (

-> id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

-> name VARCHAR(45) NOT NULL,

-> birth\_date DATE NOT NULL,

-> animal\_type\_id INT NOT NULL,

-> commands VARCHAR(100),

-> FOREIGN KEY (animal\_type\_id) REFERENCES animal\_type(id\_type) ON DELETE CASCADE);

mysql> CREATE TABLE hamsters (

-> id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

-> name VARCHAR(45) NOT NULL,

-> birth\_date DATE NOT NULL,

-> animal\_type\_id INT NOT NULL,

-> commands VARCHAR(100),

-> FOREIGN KEY (animal\_type\_id) REFERENCES animal\_type(id\_type) ON DELETE CASCADE);

```
mysql> CREATE TABLE horses (
```

```
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
```

```
-> name VARCHAR(45) NOT NULL,
```

```
-> birth_date DATE NOT NULL,
```

```
-> animal_type_id INT NOT NULL,
```

```
-> commands VARCHAR(100),
```

```
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
```

```
mysql> CREATE TABLE camels (
```

```
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
```

```
-> name VARCHAR(45) NOT NULL,
```

```
-> birth_date DATE NOT NULL,
```

```
-> animal_type_id INT NOT NULL,
```

```
-> commands VARCHAR(100),
```

```
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
```

```
mysql> CREATE TABLE donkeys (
```

```
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
```

```
-> name VARCHAR(45) NOT NULL,
```

```
-> birth_date DATE NOT NULL,
```

```
-> animal_type_id INT NOT NULL,
```

```
-> commands VARCHAR(100),
```

```
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
```

```
polikarpov-qa@ubiserver: ~  
mysql> CREATE TABLE dogs ( id INT NOT NULL AUTO_INCREMENT, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type));  
ERROR 1075 (42000): Incorrect table definition; there can be only one auto column and it must be defined as a key  
mysql> CREATE TABLE dogs (  
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
-> name VARCHAR(45) NOT NULL,  
-> birth_date DATE NOT NULL,  
-> animal_type_id INT NOT NULL,  
-> commands VARCHAR(100),  
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (8,18 sec)  
  
mysql> CREATE TABLE cats ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (7,46 sec)  
  
mysql> CREATE TABLE hamsters ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (11,21 sec)  
  
mysql> CREATE TABLE horses ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (7,51 sec)  
  
mysql> CREATE TABLE camels ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (7,51 sec)  
  
mysql> CREATE TABLE donkeys ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);  
Query OK, 0 rows affected (23,03 sec)  
  
mysql>
```

## Заполним таблицы значениями:

mysql> INSERT INTO animal\_type (id\_type, name\_type) VALUES

-> (1, 'Pet'),

-> (2, 'Pack animals');

```
polikarpov-ea@ubiserver: ~
mysql> CREATE TABLE cats ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (7,46 sec)

mysql> CREATE TABLE hamsters ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (11,21 sec)

mysql> CREATE TABLE horses ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (7,51 sec)

mysql> CREATE TABLE camels ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (23,03 sec)

mysql> CREATE TABLE donkeys ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (23,03 sec)

mysql> INSERT INTO animal_type (id_type, name_type) VALUES
  -> (1, 'Pet'),
  -> (2, 'Pack animals');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')' at line 3
mysql> INSERT INTO animal_type (id_type, name_type) VALUES
  -> (1, 'Pet'),
  -> (2, 'Pack animals');
Query OK, 2 rows affected (6,35 sec)
Records: 2 Duplicates: 0 Warnings: 0

mysql>
```

mysql> INSERT INTO dogs (name, birth\_date, animal\_type\_id, commands) VALUES

-> ('Sharik', '2020-01-02', 1, ''),

-> ('Blobber', '2021-02-01', 1, 'Fetch'),

-> ('Karrat', '2019-03-22', 1, 'Sit, Stay');

```
polikarpov-ea@ubiserver: ~
mysql> CREATE TABLE camels ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (23,03 sec)

mysql> CREATE TABLE donkeys ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (23,03 sec)

mysql> INSERT INTO animal_type (id_type, name_type) VALUES
  -> (1, 'Pet'),
  -> (2, 'Pack animals');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')' at line 3
mysql> INSERT INTO animal_type (id_type, name_type) VALUES
  -> (1, 'Pet'),
  -> (2, 'Pack animals');
Query OK, 2 rows affected (6,35 sec)
Records: 2 Duplicates: 0 Warnings: 0

mysql> INSERT INTO dogs (id, name, birth_date, animal_type, commands) VALUES
  -> (1, 'Sharik', '2020-01-02', 1, ''),
  -> (2, 'Blobber', '2021-02-01', 1, ''),
  -> (3, 'Karrat', '2019-03-22', 1, 'Sit, Stay');
ERROR 1054 (42S22): Unknown column 'animal_type' in 'field list'
mysql> INSERT INTO dogs (name, birth_date, animal_type_id, commands) VALUES
  -> ('Sharik', '2020-01-02', 1, ''),
  -> ('Blobber', '2021-02-01', 1, 'Fetch'),
  -> ('Karrat', '2019-03-22', 1, 'Sit, Stay');
Query OK, 3 rows affected (1,14 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql>
```

mysql> INSERT INTO cats (name, birth\_date, animal\_type\_id, commands) VALUES

-> ('Kitty', '2022-04-19', 1, 'Sit, Scratch'),

-> ('Moony', '2021-11-04', 1, 'Sit'),

-> ('Tooly', '2023-02-20', 1, '');



```
mysql> INSERT INTO hamsters (name, birth_date, animal_type_id, commands) VALUES  
-> ('Boby', '2021-10-11', 1, 'Roll'),  
-> ('Toby', '2022-11-11', 1, 'Spin, Roll'),  
-> ('Budy', '2023-05-15', 1, '');
```

```
mysql> INSERT INTO horses (name, birth_date, animal_type_id, commands) VALUES  
-> ('Rock', '2018-04-12', 2, 'Gallop'),  
-> ('Blackwood', '2017-03-11', 2, 'Gallop, Trot'),  
-> ('Boris', '2010-03-11', 2, 'Gallop, Trot, Canter');
```

```
mysql> INSERT INTO camels (name, birth_date, animal_type_id, commands) VALUES  
-> ('Sahed', '2016-02-20', 2, 'Walk, Stay'),  
-> ('Fate', '2020-06-18', 2, 'Load'),  
-> ('Tribune', '2021-07-01', 2, '');
```

```
mysql> INSERT INTO donkeys (name, birth_date, animal_type_id, commands) VALUES  
-> ('Barrone', '2019-08-18', 2, 'Load, Walk, Stay'),  
-> ('Graph', '2022-05-18', 2, 'Walk, Stay'),  
-> ('Gerda', '2020-10-30', 2, 'Walk, Stay, Load, Run');
```

**Удалить все записи о верблюдах:**

```
mysql> DELETE FROM camels;
```

A screenshot of a terminal window with a dark blue background. The window title is "polikarpov-ea@ubiserver: ~". The terminal shows the command "mysql> DELETE FROM camels;" followed by the output "Query OK, 3 rows affected (1,97 sec)". The prompt "mysql>" is visible at the bottom left of the terminal area.

```
polikarpov-ea@ubiserver: ~  
mysql> DELETE FROM camels;  
Query OK, 3 rows affected (1,97 sec)  
mysql>
```

**Создадим таблицу лошади и ослы, затем заполним ее:**

```
mysql> CREATE TABLE horses_and_donkeys (
```

```
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
```

```
-> name VARCHAR(45) NOT NULL,
```

```
-> name_animals_type VARCHAR(15) NOT NULL,
```

```
-> birth_date DATE NOT NULL,
```

```
-> animal_type_id INT NOT NULL,
```

```
-> commands VARCHAR(100),
```

```
-> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
```

```
mysql> INSERT INTO horses_and_donkeys (name, name_animal_type, birth_date, animal_type_id, commands)
```

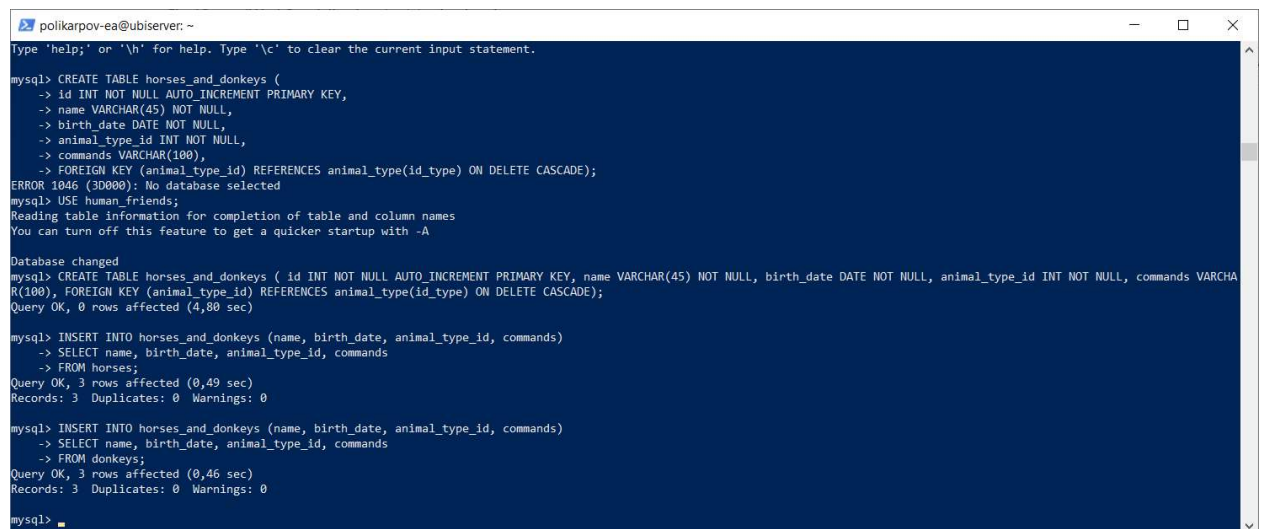
```
-> SELECT name, 'horses' as nametype, birth_date, animal_type_id, commands
```

```
-> FROM horses;
```

```
mysql> INSERT INTO horses_and_donkeys (name, name_animal_type, birth_date, animal_type_id, commands)
```

```
-> SELECT name, 'donkeys' as nametype, birth_date, animal_type_id, commands
```

```
-> FROM donkeys;
```



```
polikarpov-aa@ubiserver: ~
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE TABLE horses_and_donkeys (
  -> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
  -> name VARCHAR(45) NOT NULL,
  -> birth_date DATE NOT NULL,
  -> animal_type_id INT NOT NULL,
  -> commands VARCHAR(100),
  -> FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
ERROR 1046 (3D000): No database selected
mysql> USE human_friends;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> CREATE TABLE horses_and_donkeys ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY (animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (4,80 sec)

mysql> INSERT INTO horses_and_donkeys (name, birth_date, animal_type_id, commands)
  -> SELECT name, birth_date, animal_type_id, commands
  -> FROM horses;
Query OK, 3 rows affected (0,49 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO horses_and_donkeys (name, birth_date, animal_type_id, commands)
  -> SELECT name, birth_date, animal_type_id, commands
  -> FROM donkeys;
Query OK, 3 rows affected (0,46 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql>
```

**Проверим результат:**

```
mysql> SELECT id, name, name_animals_type, birth_date, name_type, commands
```

```
FROM horses_and_donkeys
```

```
LEFT JOIN animal_type ON id_type = animal_type_id;
```

```
polikarpov-ea@ubiserver: ~
Query OK, 3 rows affected (0,42 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> DELETE FROM horses_and_donkeys;
Query OK, 3 rows affected (0,37 sec)

mysql> INSERT INTO horses_and_donkeys (name, name_animals_type, birth_date, animal_type_id, commands) SELECT name, 'horses' as name_type, birth_date, animal_type_id, commands FROM horses;
Query OK, 3 rows affected (0,46 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO horses_and_donkeys (name, name_animals_type, birth_date, animal_type_id, commands) SELECT name, 'donkeys' as name_type, birth_date, animal_type_id, commands FROM donkeys;
Query OK, 3 rows affected (0,42 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT id, name, name_animals_type, birth_date, name_type, commands FROM horses_and_donkeys LEFT JOIN animal_type ON id_type = animal_type_id;
ERROR 1054 (42S22): Unknown column 'name_animals_type' in 'field list'
mysql> SELECT id, name, name_animals_type, birth_date, name_type, commands FROM horses_and_donkeys LEFT JOIN animal_type ON id_type = animal_type_id;
+----+-----+-----+-----+-----+-----+
| id | name | name_animals_type | birth_date | name_type | commands |
+----+-----+-----+-----+-----+-----+
| 4 | Rock | horses | 2018-04-12 | Pack animals | Gallop |
| 5 | Blackwood | horses | 2017-03-11 | Pack animals | Gallop, Trot |
| 6 | Boris | horses | 2010-03-11 | Pack animals | Gallop, Trot, Canter |
| 7 | Barrone | donkeys | 2019-08-18 | Pack animals | Load, Walk, Stay |
| 8 | Graph | donkeys | 2022-05-18 | Pack animals | Walk, Stay |
| 9 | Gerda | donkeys | 2020-10-30 | Pack animals | Walk, Stay, Load, Run |
+----+-----+-----+-----+-----+-----+
6 rows in set (0,00 sec)

mysql>
```

**Создадим таблицу животных от 1 до 3х лет:**

```
mysql> CREATE TABLE young_animals (
```

-> id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

-> name VARCHAR(45) NOT NULL,

-> name\_animals\_type VARCHAR(15) NOT NULL,

-> birth\_date DATE NOT NULL,

-> animal\_type\_id INT NOT NULL,

-> commands VARCHAR(100),

-> FOREIGN KEY(animal\_type\_id) REFERENCES animal\_type(id\_type) ON DELETE CASCADE);

```
polikarpov-ea@ubiserver: ~
-> FOREIGN KEY(animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'PRIMARY_KEY,
name VARCHAR(45) NOT NULL,
name_animals_type VARCHAR(15) NOT NULL,
' at line 2
mysql> CREATE TABLE young_animals (
-> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
-> name VARCHAR(45) NOT NULL,
-> name_animals_type VARCHAR(15) NOT NULL,
-> birth_date DATE NOT NULL,
-> animal_type_id INT NOT NULL,
-> commands VARCHAR(100),
-> FOREIGN KEY(animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
ERROR 1046 (3D000): No database selected
mysql> USE human_friends;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> CREATE TABLE young_animals ( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(45) NOT NULL, name_animals_type VARCHAR(15) NOT NULL, birth_date DATE NOT NULL, animal_type_id INT NOT NULL, commands VARCHAR(100), FOREIGN KEY(animal_type_id) REFERENCES animal_type(id_type) ON DELETE CASCADE);
Query OK, 0 rows affected (2,80 sec)

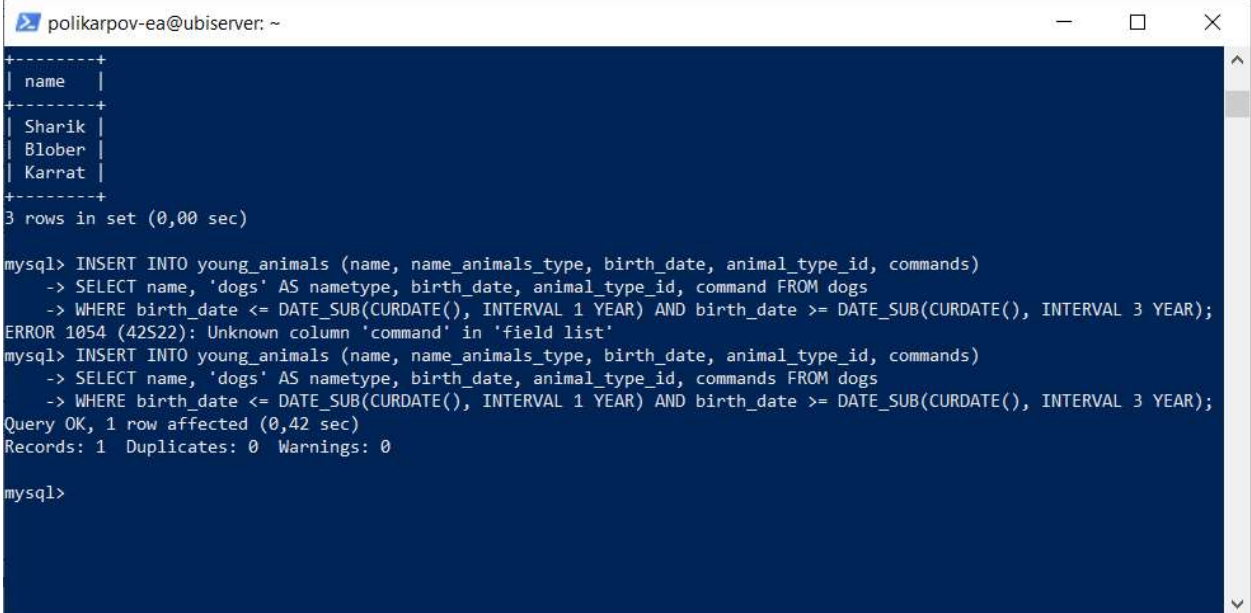
mysql>
```

**Заполним таблицу соответствующими значениями:**

```
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)
```

```
-> SELECT name, 'dogs' AS nametype, birth_date, animal_type_id, commands FROM dogs
```

```
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);
```



The screenshot shows a terminal window with the following content:

```
polikarpov-ea@ubiserver: ~  
+-----+  
| name |  
+-----+  
| Sharik |  
| Blober |  
| Karrat |  
+-----+  
3 rows in set (0,00 sec)  
  
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)  
-> SELECT name, 'dogs' AS nametype, birth_date, animal_type_id, command FROM dogs  
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);  
ERROR 1054 (42S22): Unknown column 'command' in 'field list'  
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)  
-> SELECT name, 'dogs' AS nametype, birth_date, animal_type_id, commands FROM dogs  
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);  
Query OK, 1 row affected (0,42 sec)  
Records: 1 Duplicates: 0 Warnings: 0  
  
mysql>
```

```
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)
```

```
-> SELECT name, 'cats' AS nametype, birth_date, animal_type_id, commands FROM cats
```

```
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);
```

```
INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)
```

```
-> SELECT name, 'hamsters' AS nametype, birth_date, animal_type_id, commands FROM hamsters
```

```
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);
```

```
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)
```

```
-> SELECT name, 'horses' AS nametype, birth_date, animal_type_id, commands FROM horses
```

```
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);
```



```
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)
```

```
-> SELECT name, 'donkeys' AS nametype, birth_date, animal_type_id, commands FROM donkeys
```

```
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);
```

### Проверим результат:

```
mysql> SELECT id, name, name_animals_type, birth_date, name_type, commands
```

```
-> FROM young_animals
```

```
-> LEFT JOIN animal_type ON id_type = animal_type_id;
```

```
polikarpov-ea@ubiserver: ~  
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);  
Query OK, 0 rows affected (0,00 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
mysql> INSERT INTO young_animals (name, name_animals_type, birth_date, animal_type_id, commands)  
-> SELECT name, 'donkeys' AS nametype, birth_date, animal_type_id, commands FROM donkeys  
-> WHERE birth_date <= DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AND birth_date >= DATE_SUB(CURDATE(), INTERVAL 3 YEAR);  
Query OK, 1 row affected (0,16 sec)  
Records: 1 Duplicates: 0 Warnings: 0  
  
mysql> SELECT id, name, name_animals_type, birth_date, name_type, commands  
-> FROM young_animals  
-> LEFT JOIN animal_type ON id_type = animal_type_id;  
+-----+-----+-----+-----+-----+-----+  
| id | name | name_animals_type | birth_date | name_type | commands |  
+-----+-----+-----+-----+-----+-----+  
| 1 | Blober | dogs | 2021-02-01 | Pet | Fetch |  
| 2 | Kitty | cats | 2022-04-19 | Pet | Sit, Scratch |  
| 3 | Moony | cats | 2021-11-04 | Pet | Sit |  
| 5 | Bobby | hamsters | 2021-10-11 | Pet | Roll |  
| 6 | Graph | donkeys | 2022-05-18 | Pack animals | Walk, Stay |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0,00 sec)  
  
mysql>
```