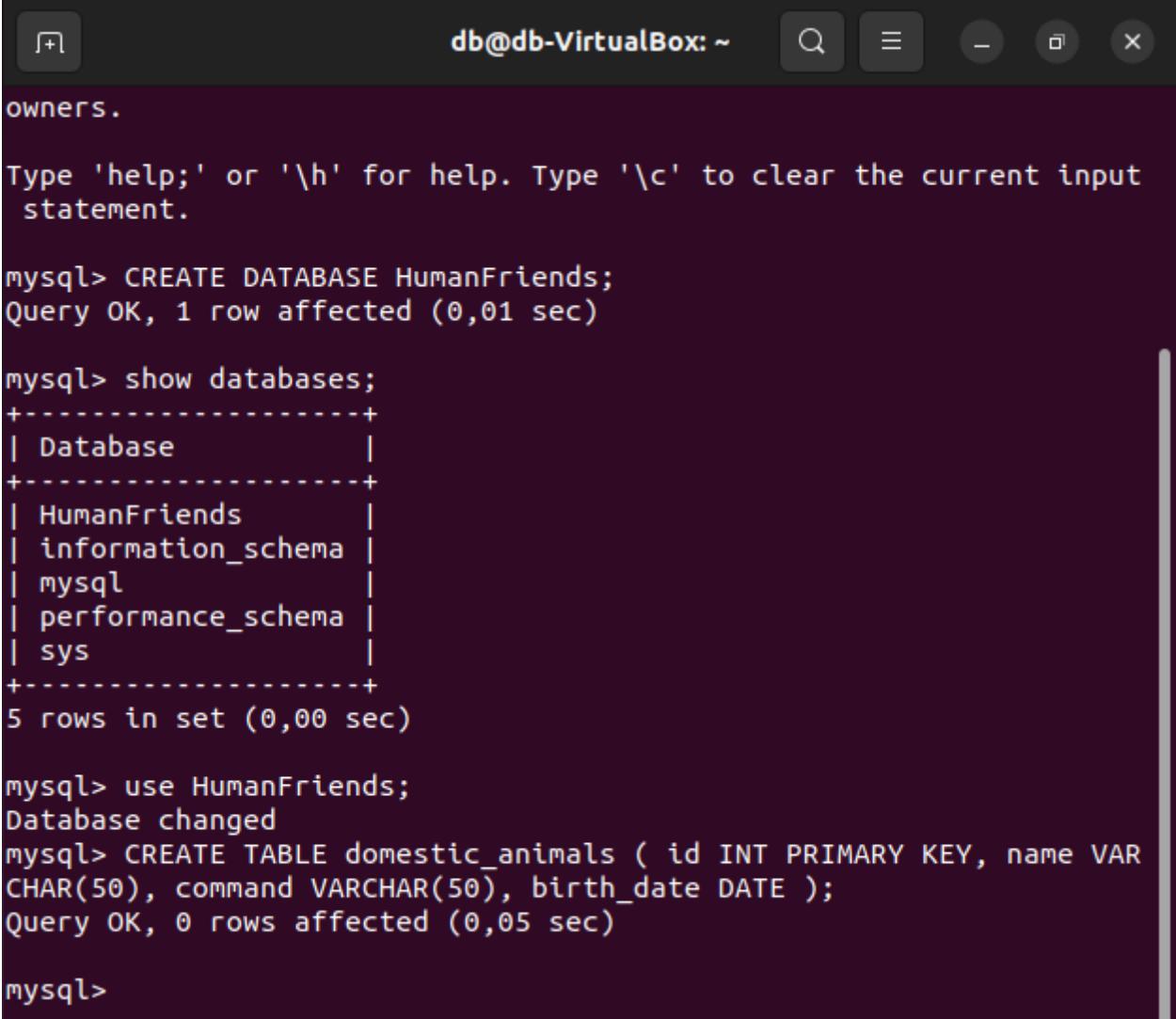


В ранее подключенном MySQL создать базу данных с названием "Human Friends".

- Создать таблицы, соответствующие иерархии из вашей диаграммы классов.

A screenshot of a terminal window titled 'db@db-VirtualBox: ~'. The terminal shows a MySQL command-line interface. The user enters 'mysql> CREATE DATABASE HumanFriends;', and the response is 'Query OK, 1 row affected (0,01 sec)'. Then, the user enters 'mysql> show databases;', and the output shows a list of databases: 'Database', 'HumanFriends', 'information_schema', 'mysql', 'performance_schema', and 'sys'. The user then enters 'mysql> use HumanFriends;', and the response is 'Database changed'. Finally, the user enters 'mysql> CREATE TABLE domestic_animals (id INT PRIMARY KEY, name VARCHAR(50), command VARCHAR(50), birth_date DATE);', and the response is 'Query OK, 0 rows affected (0,05 sec)'. The prompt 'mysql>' is shown at the bottom.

```
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input  
statement.  
  
mysql> CREATE DATABASE HumanFriends;  
Query OK, 1 row affected (0,01 sec)  
  
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| HumanFriends |  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
+-----+  
5 rows in set (0,00 sec)  
  
mysql> use HumanFriends;  
Database changed  
mysql> CREATE TABLE domestic_animals ( id INT PRIMARY KEY, name VAR  
CHAR(50), command VARCHAR(50), birth_date DATE );  
Query OK, 0 rows affected (0,05 sec)  
  
mysql>
```

- Заполнить таблицы данными о животных, их командах и датами рождения.

```
db@db-VirtualBox: ~  
Tes', 'Swim', '2021-04-03');  
ERROR 1364 (HY000): Field 'id' doesn't have a default value  
mysql> SELECT * FROM domestic_animals;  
Empty set (0,01 sec)  
  
mysql> ALTER TABLE domestic_animals MODIFY COLUMN id INT AUTO_INCREMENT;  
Query OK, 0 rows affected (0,13 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
mysql> INSERT INTO domestic_animals (name, command, birth_date) VALUES ('Tim', 'Meow', '2023-02-01'), ('Tod', 'Sit', '2022-03-02'), ('Tes', 'Swim', '2021-04-03');  
Query OK, 3 rows affected (0,01 sec)  
Records: 3 Duplicates: 0 Warnings: 0  
  
mysql> SELECT * FROM domestic_animals;  
+-----+-----+-----+-----+  
| id | name | command | birth_date |  
+-----+-----+-----+-----+  
| 1 | Tim | Meow | 2023-02-01 |  
| 2 | Tod | Sit | 2022-03-02 |  
| 3 | Tes | Swim | 2021-04-03 |  
+-----+-----+-----+-----+  
3 rows in set (0,00 sec)  
  
mysql> 
```

```
mysql> CREATE TABLE pack_animals ( id INT PRIMARY KEY AUTO_INCREMENT, name VARCHAR(50), command VARCHAR(50), birth_date DATE );  
Query OK, 0 rows affected (0,04 sec)  
  
mysql> INSERT INTO pack_animals (name, command, birth_date) VALUES ('Horse_name_1', 'RUN', '2023-05-02'), ('Camel_name_1', 'drink', '2022-06-03'), ('Donkey_name_1', 'Sing', '2021-07-04');  
Query OK, 3 rows affected (0,02 sec)  
Records: 3 Duplicates: 0 Warnings: 0  
  
mysql> SELECT * FROM pack_animals;  
+-----+-----+-----+-----+  
| id | name | command | birth_date |  
+-----+-----+-----+-----+  
| 1 | Horse_name_1 | RUN | 2023-05-02 |  
| 2 | Camel_name_1 | drink | 2022-06-03 |  
| 3 | Donkey_name_1 | Sing | 2021-07-04 |  
+-----+-----+-----+-----+  
3 rows in set (0,00 sec)  
  
mysql> 
```

- Удалить записи о верблюдах и объединить таблицы лошадей и ослов.

```
mysql> DELETE FROM pack_animals WHERE name LIKE 'Camel_name_1%';  
Query OK, 1 row affected (0,01 sec)
```

```
mysql> CREATE TABLE new_animals AS  
-> SELECT * FROM pack_animals  
-> WHERE name LIKE 'Horse_name_1%'  
-> UNION  
-> SELECT * FROM pack_animals  
-> WHERE name LIKE 'Donkey_name_1%';  
Query OK, 2 rows affected (0,05 sec)  
Records: 2 Duplicates: 0 Warnings: 0
```

```
mysql>
```

```
mysql> SELECT * FROM pack_animals;  
+----+-----+-----+-----+  
| id | name          | command | birth_date |  
+----+-----+-----+-----+  
| 1  | Horse_name_1  | RUN     | 2023-05-02 |  
| 3  | Donkey_name_1 | Sing    | 2021-07-04 |  
+----+-----+-----+-----+  
2 rows in set (0,00 sec)
```

- Создать новую таблицу для животных в возрасте от 1 до 3 лет и вычислить их возраст с точностью до месяца.

- Объединить все созданные таблицы в одну, сохраняя информацию о принадлежности к исходным таблицам.

```
db@db-VirtualBox: ~
AND 3' at line 1
mysql> CREATE TABLE young_animals AS SELECT *, TIMESTAMPDIFF(YEAR,
birth_date, CURDATE()) - CASE WHEN DAYOFYEAR(birth_date) > DAYOFYEAR(CURDATE()) T
HEN 1 ELSE 0 END AS age_years, TIMESTAMPDIFF(MONTH,
birth_date, CURDATE()) % 12 AS age_months FROM pack_animals WHERE TIMESTAMPDIFF(YE
AR, birth_date, CURDATE()) BETWEEN 1 AND 3;
Query OK, 1 row affected (0,05 sec)
Records: 1 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM pack_animals;
+-----+-----+-----+-----+
| id | name          | command | birth_date |
+-----+-----+-----+-----+
| 1 | Horse_name_1 | RUN     | 2023-05-02 |
| 3 | Donkey_name_1 | Sing    | 2021-07-04 |
+-----+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT * FROM young_animals;
+-----+-----+-----+-----+-----+-----+
| id | name          | command | birth_date | age_years | age_months |
+-----+-----+-----+-----+-----+-----+
| 3 | Donkey_name_1 | Sing    | 2021-07-04 | 2         | 5         |
+-----+-----+-----+-----+-----+-----+
1 row in set (0,00 sec)

mysql>
```