

```
mysql> CREATE DATABASE HumanFriends;
```

```
mysql> SHOW TABLES
-> ;
```

```
+-----+
| Tables_in_HumanFriends |
+-----+
| PackAnimals             |
| Pets                    |
+-----+
2 rows in set (0,00 sec)
```

```
mysql> DESCRIBE Pets;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ID    | int  | NO   | PRI | NULL    |       |
| Name  | varchar(255) | YES |     | NULL    |       |
| Type  | enum('Dog','Cat','Hamster') | YES |     | NULL    |       |
| BirthDate | date | YES |     | NULL    |       |
| Commands | text | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)
```

```
mysql> DESCRIBE PackAnimals;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ID    | int  | NO   | PRI | NULL    |       |
| Name  | varchar(255) | YES |     | NULL    |       |
| Type  | enum('Horse','Camel','Donkey') | YES |     | NULL    |       |
| BirthDate | date | YES |     | NULL    |       |
| Commands | text | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0,01 sec)
```

```
mysql> AC
```

```
mysql> SELECT * FROM Pets;
```

```
+-----+-----+-----+-----+-----+
| ID | Name      | Type   | BirthDate | Commands |
+-----+-----+-----+-----+-----+
| 1  | Fido      | Dog    | 2020-01-01 | Sit, Stay, Fetch |
| 2  | Whiskers  | Cat    | 2019-05-15 | Sit, Pounce |
| 3  | Hammy     | Hamster | 2021-03-10 | Roll, Hide |
| 4  | Buddy     | Dog    | 2018-12-10 | Sit, Paw, Bark |
| 5  | Smudge    | Cat    | 2020-02-20 | Sit, Pounce, Scratch |
| 6  | Peanut    | Hamster | 2021-08-01 | Roll, Spin |
| 7  | Bella     | Dog    | 2019-11-11 | Sit, Stay, Roll |
| 8  | Oliver    | Cat    | 2020-06-30 | Meow, Scratch, Jump |
+-----+-----+-----+-----+-----+
8 rows in set (0,00 sec)
```

```
mysql> SELECT * FROM PackAnimals;
```

```
+-----+-----+-----+-----+-----+
| ID | Name      | Type   | BirthDate | Commands |
+-----+-----+-----+-----+-----+
| 1  | Thunder  | Horse  | 2015-07-21 | Trot, Canter, Gallop |
| 2  | Sandy    | Camel  | 2016-11-03 | Walk, Carry Load |
| 3  | Eeyore   | Donkey | 2017-09-18 | Walk, Carry Load, Bray |
| 4  | Storm    | Horse  | 2014-05-05 | Trot, Canter |
| 5  | Dune     | Camel  | 2018-12-12 | Walk, Sit |
| 6  | Burro    | Donkey | 2019-01-23 | Walk, Bray, Kick |
| 7  | Blaze    | Horse  | 2016-02-29 | Trot, Jump, Gallop |
| 8  | Sahara   | Camel  | 2015-08-14 | Walk, Run |
+-----+-----+-----+-----+-----+
8 rows in set (0,00 sec)
```

```
-- Удаление записей о верблюдах.
```

```
DELETE FROM PackAnimals WHERE Type = 'Camel';
```

```
mysql> DELETE FROM PackAnimals WHERE Type = 'Camel';
Query OK, 3 rows affected (0,01 sec)
```

```
mysql> SELECT * FROM PackAnimals;
```

ID	Name	Type	BirthDate	Commands
1	Thunder	Horse	2015-07-21	Trot, Canter, Gallop
3	Eeyore	Donkey	2017-09-18	Walk, Carry Load, Bray
4	Storm	Horse	2014-05-05	Trot, Canter
6	Burro	Donkey	2019-01-23	Walk, Bray, Kick
7	Blaze	Horse	2016-02-29	Trot, Jump, Gallop

5 rows in set (0,00 sec)

```
mysql> █
```

```
-- Создание таблицы "HorsesAndDonkeys" из существующих записей лошадей и ослов
CREATE TABLE HorsesAndDonkeys AS
SELECT ID, Name, Type, BirthDate, Commands FROM PackAnimals
WHERE Type IN ('Horse', 'Donkey');
```

```
mysql> CREATE TABLE HorsesAndDonkeys AS
-> SELECT ID, Name, Type, BirthDate, Commands FROM PackAnimals
-> WHERE Type IN ('Horse', 'Donkey');
Query OK, 5 rows affected (0,02 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT * FROM AC
```

```
mysql> SELECT * FROM HorsesAndDonkeys;
```

ID	Name	Type	BirthDate	Commands
1	Thunder	Horse	2015-07-21	Trot, Canter, Gallop
3	Eeyore	Donkey	2017-09-18	Walk, Carry Load, Bray
4	Storm	Horse	2014-05-05	Trot, Canter
6	Burro	Donkey	2019-01-23	Walk, Bray, Kick
7	Blaze	Horse	2016-02-29	Trot, Jump, Gallop

5 rows in set (0,00 sec)

```
mysql> █
```

```
-- Создание таблицы "YoungAnimals" для животных в возрасте от 1 до 3 лет
CREATE TABLE YoungAnimals AS
SELECT *, TIMESTAMPDIFF(MONTH, BirthDate, CURDATE()) AS AgeInMonths FROM (
    SELECT * FROM Pets
    UNION ALL
    SELECT * FROM PackAnimals
) AS Combined
WHERE TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) BETWEEN 1 AND 3;
```

```
mysql> CREATE TABLE YoungAnimals AS
-> SELECT *, TIMESTAMPDIFF(MONTH, BirthDate, CURDATE()) AS AgeInMonths FROM
->     SELECT * FROM Pets
->     UNION ALL
->     SELECT * FROM PackAnimals
-> ) AS Combined
-> WHERE TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) BETWEEN 1 AND 3;
Query OK, 5 rows affected (0,03 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM YoungAnimals;
+----+-----+-----+-----+-----+-----+
| ID | Name   | Type   | BirthDate | Commands           | AgeInMonths |
+----+-----+-----+-----+-----+-----+
| 1  | Fido   | Dog    | 2020-01-01 | Sit, Stay, Fetch   | 47           |
| 3  | Hammy  | Hamster | 2021-03-10 | Roll, Hide         | 33           |
| 5  | Smudge | Cat     | 2020-02-20 | Sit, Pounce, Scratch | 46           |
| 6  | Peanut | Hamster | 2021-08-01 | Roll, Spin         | 28           |
| 8  | Oliver | Cat     | 2020-06-30 | Meow, Scratch, Jump | 41           |
+----+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)

mysql>
```

-- Объединение всех таблиц с сохранением информации о принадлежности к исходным таблицам

```
CREATE TABLE AllAnimals AS
SELECT 'Pet' AS Source, ID, Name, Type, BirthDate, Commands FROM Pets
UNION ALL
SELECT 'PackAnimal' AS Source, ID, Name, Type, BirthDate, Commands FROM
HorsesAndDonkeys
UNION ALL
SELECT 'YoungAnimal' AS Source, ID, Name, Type, BirthDate, Commands FROM
YoungAnimals;
```

```
mysql> CREATE TABLE AllAnimals AS
-> SELECT 'Pet' AS Source, ID, Name, Type, BirthDate, Commands FROM Pets
-> UNION ALL
-> SELECT 'PackAnimal' AS Source, ID, Name, Type, BirthDate, Commands FROM HorsesAndDonkeys
-> UNION ALL
-> SELECT 'YoungAnimal' AS Source, ID, Name, Type, BirthDate, Commands FROM YoungAnimals;
Query OK, 18 rows affected (0,03 sec)
Records: 18  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM AllAnimals;
+-----+-----+-----+-----+-----+-----+
| Source | ID | Name   | Type   | BirthDate | Commands           |
+-----+-----+-----+-----+-----+-----+
| Pet    | 1  | Fido   | Dog    | 2020-01-01 | Sit, Stay, Fetch   |
| Pet    | 2  | Whiskers | Cat    | 2019-05-15 | Sit, Pounce        |
| Pet    | 3  | Hammy  | Hamster | 2021-03-10 | Roll, Hide         |
| Pet    | 4  | Buddy  | Dog    | 2018-12-10 | Sit, Paw, Bark     |
| Pet    | 5  | Smudge | Cat     | 2020-02-20 | Sit, Pounce, Scratch |
| Pet    | 6  | Peanut | Hamster | 2021-08-01 | Roll, Spin         |
| Pet    | 7  | Bella  | Dog    | 2019-11-11 | Sit, Stay, Roll    |
| Pet    | 8  | Oliver | Cat     | 2020-06-30 | Meow, Scratch, Jump |
| PackAnimal | 1  | Thunder | Horse  | 2015-07-21 | Trot, Canter, Gallop |
| PackAnimal | 3  | Eeyore  | Donkey | 2017-09-18 | Walk, Carry Load, Bray |
| PackAnimal | 4  | Storm   | Horse  | 2014-05-05 | Trot, Canter       |
| PackAnimal | 6  | Burro   | Donkey | 2019-01-23 | Walk, Bray, Kick   |
| PackAnimal | 7  | Blaze   | Horse  | 2016-02-29 | Trot, Jump, Gallop  |
| YoungAnimal | 1  | Fido   | Dog    | 2020-01-01 | Sit, Stay, Fetch   |
| YoungAnimal | 3  | Hammy  | Hamster | 2021-03-10 | Roll, Hide         |
| YoungAnimal | 5  | Smudge | Cat     | 2020-02-20 | Sit, Pounce, Scratch |
| YoungAnimal | 6  | Peanut | Hamster | 2021-08-01 | Roll, Spin         |
| YoungAnimal | 8  | Oliver | Cat     | 2020-06-30 | Meow, Scratch, Jump |
+-----+-----+-----+-----+-----+-----+
18 rows in set (0,00 sec)

mysql>
```