mysgl> CREATE DATABASE HumanFriends;

```
mysql> SHOW TABLES
 Tables_in_HumanFriends
  PackAnimals
 Pets
 rows in set (0,00 sec)
mysql> DESCRIBE Pets;
 Field
                                                                 Default | Extra
                                                   Null |
               Type
                                                          Key |
  ID
                int
                                                           PRI
                                                                  NULL
                                                   NO
               varchar(255)
enum('Dog','Cat','Hamster')
  Name
                                                   YES
                                                                  NULL
                                                   YES
 Type
BirthDate
                                                                  NULL
                date
                                                   YES
                                                                  NULL
 Commands
                text
                                                   YES
                                                                  NULL
 rows in set (0,00 sec)
ysql> DESCRIBE PackAnimals;
 Field
                                                      Null | Key | Default | Extra
               Type
                                                              PRI
                                                                      NULL
 TD
                                                      NO
                int
               varchar(255)
enum('Horse','Camel','Donkey')
 Name
                                                      YES
                                                                      NULL
 Type
BirthDate
                                                      YES
                                                                      NULL
                                                      YES
                date
                                                                      NULL
 Commands
               text
                                                      YES
                                                                      NULL
  rows in set (0,01 sec)
mysql> ∧C
mysql> SELECT * FROM Pets;
  ID
                                      BirthDate
                                                        Commands
         Name
                        Type
                                       2020-01-01
2019-05-15
2021-03-10
2018-12-10
    123456
         Fido
                        Dog
                                                         Sit, Stay, Fetch
                                                        Sit, Pounce
Roll, Hide
         Whiskers
                        Cat
         Hammy
                        Hamster
                                                         Sit, Paw, Bark
         Buddy
                        Dog
                                                        Sit, Pounce, Scratch
Roll, Spin
Sit, Stay, Roll
Meow, Scratch, Jump
                                       2020-02-20
         Smudge
                        Cat
                                       2021-08-01
2019-11-11
         Peanut
                        Hamster
         Bella
                         Dog
         Oliver
                                       2020-06-30
    8
                        Cat
  rows in set (0,00 sec)
```

```
mysql> SELECT * FROM PackAnimals;
                                        BirthDate
  ID |
         Name
                          Type
                                                           Commands
                                        2015-07-21
2016-11-03
2017-09-18
2014-05-05
2018-12-12
          Thunder
                                                            Trot, Canter, Gallop
                          Horse
    1234567
          Sandy
                          Camel
                                                            Walk, Carry Load
                                                           Walk, Carry Load, Bray
Trot, Canter
Walk, Sit
Walk, Bray, Kick
Trot, Jump, Gallop
Walk, Run
                          Donkey
          Eeyore
          Storm
                          Horse
          Dune
                          Camel
                                        2019-01-23
2016-02-29
          Burro
                          Donkey
          Blaze
                          Horse
    8
          Sahara
                          Camel
                                        2015-08-14
  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;
                                BirthDate
                                                 Commands
  ID |
        Name
                     Type
                                                 Trot, Canter, Gallop
Walk, Carry Load, Bray
Trot, Canter
                                 2015-07-21 |
2017-09-18 |
2014-05-05 |
2019-01-23 |
2016-02-29 |
        Thunder
                     Horse
    3
        Eeyore
                     Donkey
   4
        Storm
                     Horse
                                                 Walk, Bray, Kick
   6
        Burro
                     Donkey
                                                 Trot, Jump, Gallop
        Blaze
                     Horse
 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 ^C
mysql> SELECT * FROM HorsesAndDonkeys;
   ID Name
                             Type
                                           BirthDate
                                                                 Commands
                                                                   Trot, Canter, Gallop
Walk, Carry Load, Bray
Trot, Canter
     13
                                             2015-07-21
            Thunder
                             Horse
                             Donkey
                                             2017-09-18
            Eeyore
                                             2014-05-05
     4
                             Horse
            Storm
                                             2019-01-23
2016-02-29
                                                                   Walk, Bray, Kick
Trot, Jump, Gallop
     6
7
                             Donkey
            Burro
                             Horse
            Blaze
  rows in set (0,00 sec)
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
nysql>
               SELECT * FROM YoungAnimals;
                                                                                       AgeInMonths
  ID
         Name
                                   BirthDate
                                                      Commands
                    Type
                                                      Sit, Stay, Fetch
Roll, Hide
Sit, Pounce, Scratch
Roll, Spin
                                                                                                     47
33
46
                                     2020-01-01
         Fido
                      Dog
   1
3
5
6
                                    2021-03-10
2020-02-20
2021-08-01
                      Hamster
         Hammy
         Smudge
                      Cat
         Peanut
                                                                                                     28
                      Hamster
                                     2020-06-30
                                                      Meow, Scratch, Jump
                                                                                                     41
         Oliver
                      Cat
  rows in set (0,00 sec)
nysql>
-- Объединение всех таблиц с сохранением информации о принадлежности к исходным
```

-- 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;

```
TABLE AllAnimals AS
'Pet' AS Source, ID, Name, Type, BirthDate, Commands FROM Pets
mysql> CREATE TABLE ATTANTMAIS 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
                           SELECT * FROM AllAnimals;
  nysql>
                                    | ID | Name
                                                                                                        BirthDate
                                                                                                                                      Commands
     Source
                                                                                Type
                                                                                                                                        Sit, Stay, Fetch
Sit, Pounce
Roll, Hide
Sit, Paw, Bark
Sit, Pounce, Scratch
Roll, Spin
Sit, Stay, Roll
Meow, Scratch, Jump
Trot, Canter, Gallop
Walk, Carry Load, Bray
Trot, Canter
Walk, Bray, Kick
Trot, Jump, Gallop
Sit, Stay, Fetch
Roll, Hide
Sit, Pounce, Scratch
Roll, Spin
Meow, Scratch, Jump
                                                                                                         2020-01-01

2019-05-15

2021-03-10

2018-12-10

2020-02-20

2021-08-01

2019-11-11

2020-06-30

2015-07-21

2017-09-18

2014-05-05

2019-01-23

2016-02-29

2020-01-01

2021-03-10

2021-08-01

2020-06-30
                                                    Fido
Whiskers
     Pet
                                           1234567
                                                                                 Dog
     Pet
                                                                                 Cat
     Pet
                                                    Hammy
Buddy
                                                                                 Hamster
                                                                                 Dog
     Pet
                                                    Smudge
Peanut
Bella
Oliver
     Pet
                                                                                 Cat
                                                                                 Hamster
     Pet
                                                                                Dog
Cat
     Pet
     Pet
     PackAnimal
                                                     Thunder
                                                                                 Horse
     PackAnimal
PackAnimal
                                                    Eeyore
Storm
                                                                                 Donkey
                                                                                 Horse
                                           4
6
7
     PackAnimal
                                                                                 Donkey
                                                     Burro
                                                    Blaze
Fido
     PackAnimal
                                                                                 Horse
     YoungAnimal
                                           1356
                                                                                 Dog
                                                                                 Hamster
      YoungAnimal
                                                    Hammy
                                                     Smudge
      YoungAnimal
                                                                                 Cat
       YoungAnimal
                                                    Peanut
Oliver
                                                                                 Hamster
                                                                                                          2020-06-30
     YoungAnimal
                                                                                 Cat
18 rows in set (0,00 sec)
 mysql>
```