# DROP DATABASE IF EXISTS human\_friends; CREATE DATABASE human\_friends;

USE human\_friends

DROP TABLE IF EXISTS dogs;
CREATE TABLE dogs (
id\_dogs SERIAL PRIMARY KEY,
name VARCHAR(45) NOT NULL,
birthday DATE NOT NULL,
commands TEXT NULL);

INSERT INTO dogs (name, birthday, commands) VALUES ('Жучка', '2021-06-01', 'сидеть, лай'), ('Пушок', '2015-11-16', 'кусай, лежи'), ('Рэкс', '2017-10-21', 'беги, хвататай, стой');

## SELECT \* from dogs;

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                                                     db@db-linux: ~
                                                                                                            _ _ X
  information_schema
  mysql
  performance_schema
5 rows in set (0,15 sec)
mysql> CREATE DATABASE human_friends;
mysal> SHOW DATABASES:
Database
  gb
  human_friends
  information_schema
  performance_schema
6 rows in set (0,00 sec)
mysql> USE human_friends;
Database changed
mysql> SHOW TABLES;
Empty set (0,01 sec)
mysql> CREATE TABLE dogs (
    -> id_dogs SERIAL PRIMARY KEY,
          name VARCHAR(45) NOT NULL,
     -> birthday DATE NOT NULL,
-> commands TEXT NULL);
Query OK, 0 rows affected (0,12 sec)
->-> ('Жучка', '2021-06-01', 'сидеть, лай'),
-> ('Пушок', '2015-11-16', 'кусай, лежи'),
-> ('Рэкс', '2017-10-21', 'беги, хвататай, стой');
Query OK, 3 rows affected (0,04 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> SELECT * from dogs;
                          | birthday | commands
  id_dogs | name
                         | 2021-06-01 | сидеть, лай
| 2015-11-16 | кусай, лежи
| 2017-10-21 | беги, хвататай, стой
          2 | Пушок
3 | Рэкс
3 rows in set (0,05 sec)
mvsal>
```

DROP TABLE IF EXISTS cats; CREATE TABLE cats ( id\_cats SERIAL PRIMARY KEY, name VARCHAR(45) NOT NULL, birthday DATE NOT NULL, commands TEXT NULL);

INSERT INTO cats (name, birthday, commands) VALUES ('Лапка', '2019-06-22', 'мяукай, царапай'), ('Милка', '2023-10-12', 'мяукай, лежи'), ('Пушистик', '2021-10-20', 'лови');

SELECT \* from cats;

DROP TABLE IF EXISTS hamsters; CREATE TABLE hamsters ( id\_hamsters SERIAL PRIMARY KEY, name VARCHAR(45) NOT NULL, birthday DATE NOT NULL, commands TEXT NULL);

INSERT INTO hamsters (name, birthday, commands) VALUES ('Мячик', '2022-03-09', 'крутись'); INSERT INTO hamsters (name, birthday) VALUES ('Пончик', '2023-01-05');

SELECT \* from hamsters;

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3 rows in set (0,05 sec)
mysql> CREATE TABLE cats (
   -> id_cats SERIAL PRIMARY KEY,
-> name VARCHAR(45) NOT NULL
    -> birthday DATE NOT NULL,
    -> commands TEXT NULL);
Query OK, 0 rows affected (0,05 sec)
mysql> INSERT INTO cats (name, birthday, commands) VALUES
    -> ('Лапка', '2019-06-22', 'мяукай, царапай'),
-> ('Милка', '2023-10-12', 'мяукай, лежи'),
-> ('Пушистик', '2021-10-20', 'лови');
Query OK, 3 rows affected (0,02 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql>
mysql> SELECT * from cats;
| id_cats | name
                             | birthday | commands
        1 | Лапка
                     | 2019-06-22 | мяукай, царапай
       2 | Милка | 2023-10-12 | мяукай, лежи
3 | Пушистик | 2021-10-20 | лови
3 rows in set (0,00 sec)
mysql> CREATE TABLE hamsters (
   -> id_hamsters SERIAL PRIMARY KEY,
       name VARCHAR(45) NOT NULL,
         birthday DATE NOT NULL,
    -> commands TEXT NULL);
Query OK, 0 rows affected (0,06 sec)
mysal>
mysql> INSERT INTO hamsters (name, birthday, commands) VALUES ('Мячик', '2022-03-09', 'крутись');
Query OK, 1 row affected (0,01 sec)
mysql> INSERT INTO hamsters (name, birthday) VALUES ('Пончик', '2023-01-05');
Query OK, 1 row affected (0,00 sec)
mysql>
mysql> SELECT * from hamsters;
| id_hamsters | name
                          | birthday | commands
            1 | Мячик | 2022-03-09 | крутись
2 | Пончик | 2023-01-05 | NULL
2 rows in set (0,00 sec)
mysql> CREATE TABLE horses (
```

-> id\_horses SERIAL PRIMARY KEY,

DROP TABLE IF EXISTS horses; CREATE TABLE horses ( id\_horses SERIAL PRIMARY KEY, name VARCHAR(45) NOT NULL, birthday DATE NOT NULL, commands TEXT NULL);

INSERT INTO horses (name, birthday, commands) VALUES ('Герцог', '2012-07-02', 'галлоп, рысь, аллюр, стой'), ('Афина', '2019-08-08', 'рысь, стой');

INSERT INTO horses (name, birthday) VALUES ('Плюшка', '2015-05-29'), ('Картон', '2013-05-05');

SELECT \* from horses;

DROP TABLE IF EXISTS camels; CREATE TABLE camels ( id\_camels SERIAL PRIMARY KEY, name VARCHAR(45) NOT NULL, birthday DATE NOT NULL, commands TEXT NULL);

INSERT INTO camels (name, birthday, commands) VALUES ('Иосиф', '2013-11-12', 'стой, иди, зови на помощь'), ('Хан', '2018-08-08', 'стой, иди');

SELECT \* from camels;

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mysql> CREATE TABLE horses (
    -> id_horses SERIAL PRIMARY KEY,
-> name VARCHAR(45) NOT NULL
         name VARCHAR(45) NOT NULL,
    -> birthday DATE NOT NULL,
    -> commands TEXT NULL);
Query OK, 0 rows affected (0,09 sec)
mysql>
mysql> INSERT INTO horses (name, birthday, commands) VALUES
    -> ('Герцог', '2012-07-02', 'галлоп, рысь, аллюр, стой'),
-> ('Афина', '2019-08-08', 'рысь, стой');
Query OK, 2 rows affected (0,02 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql>
mysql> INSERT INTO horses (name, birthday) VALUES
   -> ('Плюшка', '2015-05-29'),
-> ('Картон', '2013-05-05');
Query OK, 2 rows affected (0,00 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql>
mysql> SELECT * from horses;
1 | Герцог | 2012-07-02 | галлоп, рысь, аллюр, стой
2 | Афина | 2019-08-08 | рысь, стой
3 | Плюшка | 2015-05-29 | NULL
4 | Картон | 2013-05-05 | NULL
4 rows in set (0,00 sec)
mysql> CREATE TABLE camels (
   -> id_camels SERIAL PRIMARY KEY,
-> name VARCHAR(45) NOT NULL,
    -> birthday DATE NOT NULL,
    -> commands TEXT NULL);
Query OK, 0 rows affected (0,08 sec)
mysql>
mysql> INSERT INTO camels (name, birthday, commands) VALUES
-> ('Иосиф', '2013-11-12', 'стой, иди, зови на помощь'),
-> ('Хан', '2018-08-08', 'стой, иди');
Query OK, 2 rows affected (0,01 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql>
mysql> SELECT * from camels;
| id_camels | name | birthday | commands
          1 | Иосиф | 2013-11-12 | стой, иди, зови на помощь
2 | Хан | 2018-08-08 | стой, иди
```

DROP TABLE IF EXISTS donkeys; CREATE TABLE donkeys ( id\_donkeys SERIAL PRIMARY KEY, name VARCHAR(45) NOT NULL, birthday DATE NOT NULL, commands TEXT NULL);

INSERT INTO donkeys (name, birthday, commands) VALUES ('Карл', '2020-03-30', 'иди'), ('Маня', '2019-11-27', 'стой, кричи');

SELECT \* from donkeys;

DROP TABLE IF EXISTS camels;

mysql>

DROP TABLE IF EXISTS pack\_animals;
CREATE TABLE pack\_animals (
id\_pack\_animals SERIAL PRIMARY KEY,
name VARCHAR(45) NOT NULL,
birthday DATE NOT NULL,
commands TEXT NULL,
tablename VARCHAR(20) NOT NULL,
id\_source\_table VARCHAR(20) NOT NULL);

INSERT INTO pack\_animals (name, birthday, commands, tablename, id\_source\_table) SELECT name, birthday, commands, 'horses' as tablename, id\_horses FROM horses UNION ALL

SELECT name, birthday, commands, 'donkeys' as tablename, id\_donkeys FROM donkeys;

### SELECT \* from pack\_animals;

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                                                                                  db@db-linux: ~
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     -> id_pack_animals (
-> id_pack_animals SERIAL PRIMARY KEY,
-> name VARCHAR(45) NOT HER
mysql> CREATE TABLE pack_animals (
          tablename VARCHAR(20) NOT NULL, id_source_table VARCHAR(20) NOT NULL);
mysql>
mysql> INSERT INTO pack_animals (name, birthday, commands, tablename, id_source_table)
-> SELECT name, birthday, commands, 'horses' as tablename, id_horses FROM horses
     -> UNION ALL
Query OK, 6 rows affected (0,02 sec)
Records: 6 Duplicates: 0 Warnings: 0
mysql>
mysql> SELECT * from pack_animals;
| id_pack_animals | name
                                            | birthday
                                                                                                                           | tablename | id_source_table |
                         Герцог
                                                                                                                             horses
                                              2019-08-08
                          Афина
                                                               рысь, стой
                                                                                                                              horses
                                              2015-05-29
                          Плюшка
                                                                                                                             horses
                                                              NULL
                                             2013-05-05
                                                                                                                             horses
6 rows in set (0,00 sec)
```

```
DROP TABLE IF EXISTS young_animals;
CREATE TABLE young_animals (
id_young_animals SERIAL PRIMARY KEY,
name VARCHAR(45) NOT NULL,
birthday DATE NOT NULL,
commands TEXT NULL,
tablename VARCHAR(20) NOT NULL,
month INT NOT NULL);
```

INSERT INTO young\_animals (name, birthday, commands, tablename, month)
SELECT name, birthday, commands, tablename, TIMESTAMPDIFF(MONTH, birthday, NOW()) as month
FROM

(SELECT name, birthday, commands, 'dogs' as tablename FROM dogs UNION ALL

SELECT name, birthday, commands, 'cats' as tablename FROM cats

UNION ALL

SELECT name, birthday, commands, 'hamsters' FROM hamsters

**UNION ALL** 

SELECT name, birthday, commands, 'horses' as tablename FROM horses

**UNION ALL** 

SELECT name, birthday, commands, 'donkeys' as tablename FROM donkeys) as human\_friends WHERE TIMESTAMPDIFF(YEAR, birthday, NOW()) BETWEEN 1 AND 3;

#### SELECT \* from young animals;

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ysql> CREATE TABLE young_animals (
         id_young_animals SERIAL PRIMARY KEY, name VARCHAR(45) NOT NULL,
         birthday DATE NOT NULL,
         tablename VARCHAR(20) NOT NULL, month INT NOT NULL);
uery OK, 0 rows affected (0,08 sec)
ysql>
nysql> INSERT INTO young_animals (name, birthday, commands, tablename, month)
-> SELECT name, birthday, commands, tablename, TIMESTAMPDIFF(MONTH, birthday, NOW()) as month
   -> (SELECT name, birthday, commands, 'dogs' as tablename FROM dogs
   -> UNION ALL
    -> UNION ALL
   -> SELECT name, birthday, commands, 'donkeys' as tablename FROM donkeys) as human_friends
-> WHERE TIMESTAMPDIFF(YEAR, birthday, NOW()) BETWEEN 1 AND 3;
uery OK, 4 rows affected (0,01 sec)
ecords: 4 Duplicates: 0 Warnings: 0
nysql> SELECT * from young_animals;
 id_young_animals | name
                    1 | Жучка
                                                                                              doas
                                                 2021-10-20 | лови
2022-03-09 | крутись
                        Пушистик
                                                                                               hamsters
                        Мячик
                                                                                                                  44
                        Карл
                                                 2020-03-30 | иди
                                                                                               donkeys
```

DROP TABLE IF EXISTS human\_friends;
CREATE TABLE human\_friends (
id\_human\_friends SERIAL PRIMARY KEY,
name VARCHAR(45) NOT NULL,
birthday DATE NOT NULL,
commands TEXT NULL,
tablename VARCHAR(20) NOT NULL,
id\_source\_table VARCHAR(20) NOT NULL);

INSERT INTO human\_friends (name, birthday, commands, tablename, id\_source\_table) SELECT name, birthday, commands, 'dogs' as tablename, id\_dogs FROM dogs UNION ALL

SELECT name, birthday, commands, 'cats' as tablename, id\_cats FROM cats UNION ALL

SELECT name, birthday, commands, 'hamsters' as tablename, id\_hamsters FROM hamsters

SELECT name, birthday, commands, 'horses' as tablename, id\_horses FROM horses UNION ALL

SELECT name, birthday, commands, 'donkeys' as tablename, id\_donkeys FROM donkeys;

SELECT \* from human\_friends;

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4 rows in set (0,00 sec)
mysql> CREATE TABLE human_friends (
-> id_human_friends SERIAL PRIMARY KEY,
         name VARCHAR(45) NOT NULL,
         birthday DATE NOT NULL,
         commands TEXT NULL,
         tablename VARCHAR(20) NOT NULL, id_source_table VARCHAR(20) NOT NULL);
Query OK, 0 rows affected (0,09 sec)
mysql> INSERT INTO human_friends (name, birthday, commands, tablename, id_source_table)
    -> SELECT name, birthday, commands, 'dogs' as tablename, id_dogs FROM dogs
    -> UNION ALL
    -> SELECT name, birthday, commands, 'cats' as tablename, id_cats FROM cats
    -> UNION ALL
    -> SELECT name, birthday, commands, 'hamsters' as tablename, id_hamsters FROM hamsters
    -> UNION ALL
       SELECT name, birthday, commands, 'horses' as tablename, id_horses FROM horses
     -> SELECT name, birthday, commands, 'donkeys' as tablename, id_donkeys FROM donkeys;
Query OK, 14 rows affected (0,01 sec)
Records: 14 Duplicates: 0 Warnings: 0
mysql> SELECT * from human_friends;
| id_human_friends | name
                                                                                                           | tablename | id_source_table
                    | Жучка
                    | Пушок
                                                                                                            dogs
                    I Рэкс
                                                                                                            dogs
                                           2019-06-22
                     Лапка
                      Милка
                      Пушистик
                                           2021-10-20
                                           2022-03-09
                      Мячик
                      Пончик
                                                                                                            hamsters
                     Герцог
                                           2012-07-02
                                                         галлоп, рысь, аллюр, стой
                                                                                                            horses
                                           2019-08-08
                      Афина
                                                         рысь, стой
                                                                                                            horses
                                           2015-05-29
                     Плюшка
                                                                                                            horses
                                           2013-05-05
                                                                                                            horses
                                                         иди
                                                         стой, кричи
                                                                                                            donkeys
14 rows in set (0,00 sec)
```

DROP TABLE IF EXISTS human\_friends\_another;
CREATE TABLE human\_friends\_another (
id\_human\_friends SERIAL PRIMARY KEY,
name VARCHAR(45) NOT NULL,
birthday DATE NOT NULL,
commands TEXT NULL,
tablename VARCHAR(20) NOT NULL,
id\_source\_table VARCHAR(20) NOT NULL);

INSERT INTO human\_friends\_another (name, birthday, commands, tablename, id\_source\_table) SELECT name, birthday, commands, 'dogs' as tablename, id\_dogs FROM dogs UNION ALL

SELECT name, birthday, commands, 'cats' as tablename, id\_cats FROM cats LINION ALL

SELECT name, birthday, commands, 'hamsters' as tablename, id\_hamsters FROM hamsters UNION ALL

SELECT name, birthday, commands, 'pack\_animals' as tablename, id\_pack\_animals FROM pack\_animals;

### SELECT \* from human friends another

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14 rows in set (0,00 sec)
mysql> CREATE TABLE human_friends_another
         id_human_friends SERIAL PRIMARY KEY,
         name VARCHAR(45) NOT NULL,
         birthday DATE NOT NULL,
         commands TEXT NULL,
         tablename VARCHAR(20) NOT NULL,
         id_source_table VARCHAR(20) NOT NULL);
Query OK, 0 rows affected (0,08 sec)
mysql> INSERT INTO human_friends_another (name, birthday, commands, tablename, id_source_table)
-> SELECT name, birthday, commands, 'dogs' as tablename, id_dogs FROM dogs
    -> UNION ALL
     -> SELECT name, birthday, commands, 'cats' as tablename, id_cats FROM cats
    -> UNION ALL
    -> SELECT name, birthday, commands, 'hamsters' as tablename, id hamsters FROM hamsters
    -> UNION ALL
-> SELECT name, birthday, commands, 'pack_animals' as tablename, id_pack_animals FROM pack_animals;
Query OK, 14 rows affected (0,02 sec)
mysql> SELECT * from human_friends_another;
 id_human_friends | name
                                         | birthday | commands
                                                                                                           I tablename
                                                                                                                           | id source table
                  1 | Жучка
                                           2021-06-01 | сидеть, лай
                                                                                                             dogs
                  2 | Пушок
                                                                                                             dogs
                  3 | Рэкс
                                                                                                             dogs
                  4 | Лапка
                                           2019-06-22
                                                       | мяукай, царапай
                                                                                                             cats
                                           2023-10-12
                                                         мяукай, лежи
                  6 | Пушистик
                                                         лови
                                                         крутись
                                                                                                             hamsters
                                           2023-01-05
                     Пончик
                    | Герцог
                                                                                                             pack_animals
                      Афина
                                           2019-08-08
                                                                                                             pack_animals
                 11 | Плюшка
                                           2015-05-29
                                                         NULL
                                                                                                             pack_animals
                                           2013-05-05
                                                                                                             pack_animals
pack_animals
                 12 | Картон
                                                         NULL
                                           2020-03-30
                    Карл
                                                         иди
                      Маня
                                           2019-11-27 | стой, кричи
                 14
                                                                                                             pack animals
14 rows in set (0,00 sec)
```