

1. Использование команды cat в Linux

- Создать два текстовых файла: "Pets"(Домашние животные) и "Pack animals"(выучные животные), используя команду `cat` в терминале Linux. В первом файле перечислить собак, кошек и хомяков. Во втором — лошадей, верблюдов и ослов.
- Объединить содержимое этих двух файлов в один и просмотреть его содержимое.
- Переименовать получившийся файл в "HumanFriends".

```
root@xopek-VirtualBox: /home
.. Desktop .local newpafka task3 .vboxclient-draganddrop-tty2-service.pid
i Dockerfile ls.txt pafka Templates .vboxclient-hostversion-tty2-control.pid
all.txt Documents Music Pictures test .vboxclient-seamless-tty2-control.pid
.bash_history Downloads my_file .profile test1 .vboxclient-seamless-tty2-service.pid
.bash_logout err.txt my_help.comands Public testsc .vboxclient-vmsvga-session-tty2-control.pid
.bashrc final_test my_help.comands~ reserve test_script .vboxclient-vmsvga-session-tty2-service.pid
.cache find.txt my_help.comandy~ share test.txt .vboxclient-clipboard-tty2-control.pid
.config first.testsc my_help.comandy~ std.txt .vboxclient-clipboard-tty2-service.pid
copy.txt h_work_4 .vboxclient-clipboard-tty2-control.pid .vboxclient-clipboard-tty2-service.pid
root@xopek-VirtualBox:/home/xopek# cd final_test/
root@xopek-VirtualBox:/home/xopek/final_test# cat > Pets.txt
Dog
Cat
Rat
Rat
root@xopek-VirtualBox:/home/xopek/final_test# cat Pets.txt
Dog
Cat
Cat
Rat
root@xopek-VirtualBox:/home/xopek/final_test# cat > Packanimals.txt
Horse
Camel
Donkey
root@xopek-VirtualBox:/home/xopek/final_test# cat Packanimals.txt
Horse
Horse
Camel
Donkey
root@xopek-VirtualBox:/home/xopek/final_test# cat Pets.txt Packanimals.txt > HumanFriends.txt
root@xopek-VirtualBox:/home/xopek/final_test# cat HumanFriends.txt
Dog
Cat
Rat
Horse
Camel
Donkey
root@xopek-VirtualBox:/home/xopek/final_test# ls
HumanFriends.txt Packanimals.txt Pets.txt
root@xopek-VirtualBox:/home/xopek/final_test# |
```

2. Работа с директориями в Linux

- Создать новую директорию и переместить туда файл "Human Friends".

```
root@xopek-VirtualBox: /home
root@xopek-VirtualBox:/home/xopek/final_test# cat > Packanimals.txt
Horse
Camel
Donkey
root@xopek-VirtualBox:/home/xopek/final_test# cat Packanimals.txt
Horse
Horse
Camel
Donkey
root@xopek-VirtualBox:/home/xopek/final_test# cat Pets.txt Packanimals.txt > HumanFriends.txt
root@xopek-VirtualBox:/home/xopek/final_test# cat HumanFriends.txt
Dog
Cat
Rat
Horse
Camel
Donkey
root@xopek-VirtualBox:/home/xopek/final_test# ls
HumanFriends.txt Packanimals.txt Pets.txt
root@xopek-VirtualBox:/home/xopek/final_test# mkdir Human_Friends
root@xopek-VirtualBox:/home/xopek/final_test# cd Human_Friends
root@xopek-VirtualBox:/home/xopek/final_test/Human_Friends# cd ..
root@xopek-VirtualBox:/home/xopek/final_test# ll
total 24
drwxr-xr-x 3 root root 4096 сие 9 09:27 ./
drwxr-xr-x 25 xopek xopek 4096 сие 9 09:15 ../
drwxr-xr-x 2 root root 4096 сие 9 09:27 Human_Friends/
-rw-r--r-- 1 root root 31 сие 9 09:22 HumanFriends.txt
-rw-r--r-- 1 root root 19 сие 9 09:19 Packanimals.txt
-rw-r--r-- 1 root root 12 сие 9 09:17 Pets.txt
root@xopek-VirtualBox:/home/xopek/final_test# cd Human_Friends
root@xopek-VirtualBox:/home/xopek/final_test/Human_Friends# mv /home/xopek/final_test/HumanFriends.txt /home/xopek/final_test/Human_Friends
root@xopek-VirtualBox:/home/xopek/final_test/Human_Friends# ll
total 12
drwxr-xr-x 2 root root 4096 сие 9 09:32 ./
drwxr-xr-x 3 root root 4096 сие 9 09:32 ../
-rw-r--r-- 1 root root 31 сие 9 09:22 HumanFriends.txt
root@xopek-VirtualBox:/home/xopek/final_test/Human_Friends# |
```

2. Работа с директориями в Linux

- Создать новую директорию и переместить туда файл "Human Friends".

3. Работа с MySQL в Linux. “Установить MySQL на вашу вычислительную машину”

- Подключить дополнительный репозиторий MySQL и установить один из пакетов из этого репозитория.

```
root@xopek-VirtualBox: /home/xopek# dpkg -i mysql-apr-config_0.8.24-1_all.deb
HTTP request sent, awaiting response... 200 OK
Length: 18048 (18K) [application/x-debian-package]
Saving to: 'mysql-apr-config_0.8.24-1_all.deb'

mysql-apr-config_0.8.24-1_all.deb      100%[=====] 17,62K  --.-KB/s  in 0s

2023-12-09 10:35:07 (111 MB/s) - 'mysql-apr-config_0.8.24-1_all.deb' saved [18048/18048]

root@xopek-VirtualBox: /home/xopek# dpkg -i mysql-apr-config_0.8.24-1_all.deb
Selecting previously unselected package mysql-apr-config.
(Reading database ... 215347 files and directories currently installed.)
Preparing to unpack mysql-apr-config_0.8.24-1_all.deb ...
Unpacking mysql-apr-config (0.8.24-1) ...
Setting up mysql-apr-config (0.8.24-1) ...
Warning: apt-key should not be used in scripts (called from postinst maintainer script of the package mysql-apr-config)
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
root@xopek-VirtualBox: /home/xopek# apt-get install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  ubuntu-fan
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  mysql-server
0 upgraded, 1 newly installed, 0 to remove and 143 not upgraded.
Need to get 9.464 B of archives.
After this operation, 35,8 kB of additional disk space will be used.
Get:1 http://by.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server all 8.0.35-0ubuntu0.22.04.1 [9.464 B]
Fetched 9.464 B in 0s (47,3 kB/s)
Selecting previously unselected package mysql-server.
(Reading database ... 215352 files and directories currently installed.)
Preparing to unpack ../mysql-server_8.0.35-0ubuntu0.22.04.1_all.deb ...
Unpacking mysql-server (8.0.35-0ubuntu0.22.04.1) ...
Setting up mysql-server (8.0.35-0ubuntu0.22.04.1) ...
root@xopek-VirtualBox: /home/xopek#
```

4. Управление deb-пакетами

- Установить и затем удалить deb-пакет, используя команду `dpkg`.

```
root@xopek-VirtualBox: /home/xopek# dpkg -i ./bat_0.8.0_amd64.deb
Fetched 9.464 B in 0s (47,3 kB/s)
Selecting previously unselected package mysql-server.
(Reading database ... 215352 files and directories currently installed.)
Preparing to unpack ../mysql-server_8.0.35-0ubuntu0.22.04.1_all.deb ...
Unpacking mysql-server (8.0.35-0ubuntu0.22.04.1) ...
Setting up mysql-server (8.0.35-0ubuntu0.22.04.1) ...
root@xopek-VirtualBox: /home/xopek# wget https://github.com/sharkdp/bat/releases/download/v0.8.0/bat_0.8.0_amd64.deb
--2023-12-09 10:43:57-- https://github.com/sharkdp/bat/releases/download/v0.8.0/bat_0.8.0_amd64.deb
Resolving github.com (github.com)... 140.82.121.4:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/130464961/8d5fce80-d26b-11e8-918c-b22548cac610?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20231209%2Fus-east-1%2F%2Faws4_request&X-Amz-Date=20231209T074359Z&X-Amz-Expires=300&X-Amz-Signature=573e660f128f9037be436e6e6e98fb3376de598b709ae204fb6f84c8ec59730c&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=130464961&response-content-disposition=attachment%3B%20filename%3Dbat_0.8.0_amd64.deb&response-content-type=application%2Foctet-stream [following]
--2023-12-09 10:43:58-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/130464961/8d5fce80-d26b-11e8-918c-b22548cac610?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20231209%2Fus-east-1%2F%2Faws4_request&X-Amz-Date=20231209T074359Z&X-Amz-Expires=300&X-Amz-Signature=573e660f128f9037be436e6e6e98fb3376de598b709ae204fb6f84c8ec59730c&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=130464961&response-content-disposition=attachment%3B%20filename%3Dbat_0.8.0_amd64.deb&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.111.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.109.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1770598 (1,7M) [application/octet-stream]
Saving to: 'bat_0.8.0_amd64.deb'

bat_0.8.0_amd64.deb      100%[=====] 1,69M  3,41MB/s  in 0,5s

2023-12-09 10:43:58 (3,41 MB/s) - 'bat_0.8.0_amd64.deb' saved [1770598/1770598]

root@xopek-VirtualBox: /home/xopek# dpkg -i ./bat_0.8.0_amd64.deb
Selecting previously unselected package bat.
(Reading database ... 215354 files and directories currently installed.)
Preparing to unpack ./bat_0.8.0_amd64.deb ...
Unpacking bat (0.8.0) ...
Setting up bat (0.8.0) ...
Processing triggers for man-db (2.10.2-1) ...
root@xopek-VirtualBox: /home/xopek#
```

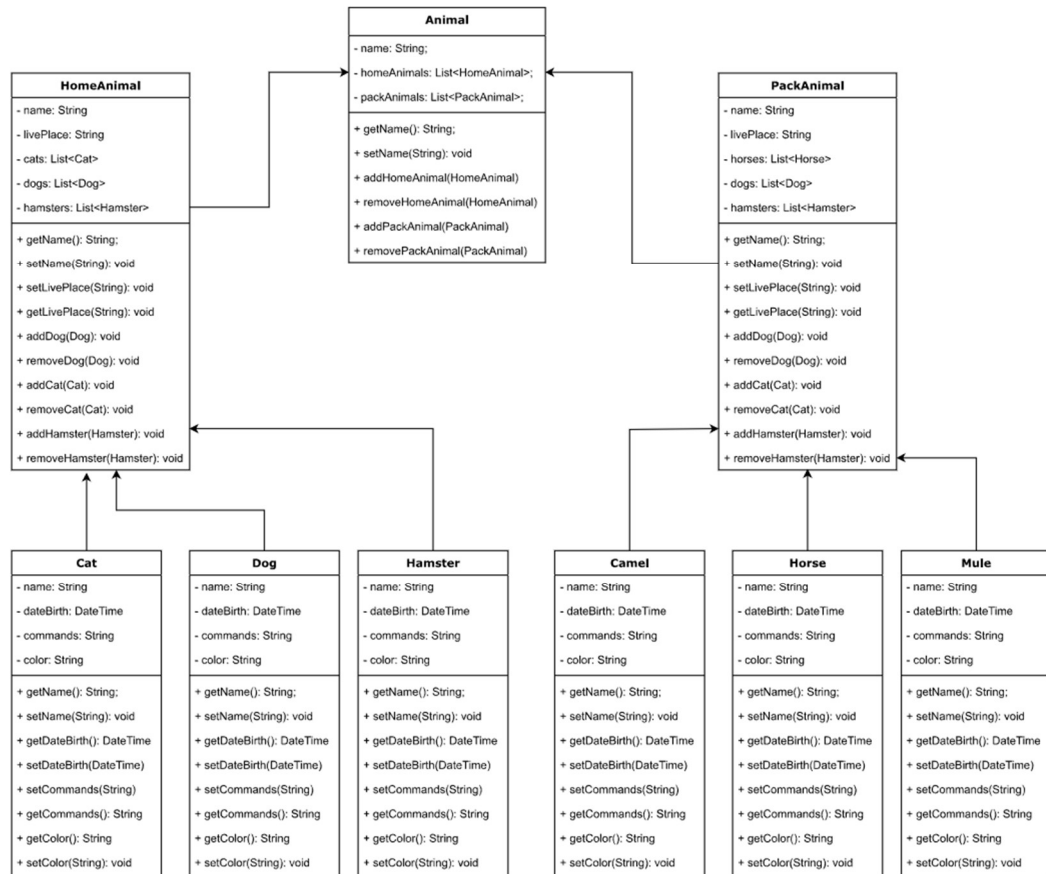
```
root@xopek-VirtualBox:/home/xopek# dpkg -r bat
(Reading database ... 215360 files and directories currently installed.)
Removing bat (0.8.0) ...
Processing triggers for man-db (2.10.2-1) ...
root@xopek-VirtualBox:/home/xopek#
```

5. Выложить историю команд в терминале ubuntu

```
root@xopek-VirtualBox:/home/xopek#
1002 cat > Pets.txt
1003 cat Pets.txt
1004 cat > Packanimals.txt
1005 cat Packanimals.txt
1006 cat Pets.txt Packanimals.txt > HumanFriends.txt
1007 cat HumanFriends.txt
1008 ls
1009 mkdir Human_Friends
1010 cd Human_Friends
1011 cd ..
1012 ll
1013 cd Human_Friends
1014 mv /home/xopek/final_test/HumanFriends.txt /home/xopek/final_test/Human_Friends
1015 ll
1016 sudo dpkg -i mysql-apt-config_0.8.24-1_all.deb
1017 clear
1018 wget https://dev.mysql.com/get/mysql-apt-config_0.8.24-1_all.deb
1019 ping ya.ru
1020 cp resolv.conf resolv_old.conf
1021 ll
1022 vim resolv.conf
1023 systemctl restart system-resolved.service
1024 systemctl status systemd-resolved.service
1025 ufw allow 53/tcp
1026 ufw allow 43/tcp
1027 ping ya.ru
1028 vim resolv.conf
1029 systemctl restart systemd-resolved.service
1030 systemctl status systemd-resolved.service
1031 ping ya.ru
1032 vim resolv.conf
1033 systemctl restart systemd-resolved.service
1034 systemctl status systemd-resolved.service
1035 ping ya.ru
1036 vim resolv.conf
1037 ip address show
1038 ping ya.ru
1039 clear
1040 wget https://dev.mysql.com/get/mysql-apt-config_0.8.24-1_all.deb
1041 dpkg -i mysql-apt-config_0.8.24-1_all.deb
1042 apt-get install mysql-server
1043 wget https://github.com/sharkdp/bat/releases/download/v0.8.0/bat_0.8.0_amd64.deb
1044 dpkg -i ./bat_0.8.0_amd64.deb
1045 dpkg -r bat
1046 history
root@xopek-VirtualBox:/home/xopek#
```

Задание 6

Нарисовать диаграмму, в которой есть класс родительский класс, домашние животные и выючные животные, в составы которых в случае домашних животных войдут классы: собаки, кошки, хомяки, а в класс выючные животные войдут: Лошади, верблюды и ослы).



7. В подключенном MySQL репозитории создать базу данных “Друзья человека”

```
root@xopek-VirtualBox: /hon x + v
root@xopek-VirtualBox:/home/xopek# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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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> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
| xopek |
+-----+
5 rows in set (0,09 sec)

mysql> CREATE DATABASE human_friends;
Query OK, 1 row affected (0,02 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| human_friends |
| information_schema |
| mysql |
| performance_schema |
| sys |
| xopek |
+-----+
6 rows in set (0,00 sec)

mysql> |
```

8. Создать таблицы с иерархией из диаграммы в БД

9. Заполнить низкоуровневые таблицы именами(животных), командами

которые они выполняют и датами рождения

```
mysql> CREATE TABLE cats
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id)
-> );
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO cats (name, an_type, birthday, color, commands)
-> VALUES
-> ('Raphail', 'cat', '2001-01-15', 'gray', 'кис-кис, брысь'),
-> ('Murka', 'cat', '2021-07-03', 'white', 'кис-кис, брысь'),
-> ('Pushok', 'cat', '2013-02-18', 'black', 'кис-кис, брысь');
Query OK, 3 rows affected (0,03 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM cats;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | cat | Raphail | 2001-01-15 | gray | кис-кис, брысь |
| 2 | cat | Murka | 2021-07-03 | white | кис-кис, брысь |
| 3 | cat | Pushok | 2013-02-18 | black | кис-кис, брысь |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,03 sec)

mysql> |
```

```
root@xopek-VirtualBox: /hon x + v

mysql> SELECT * FROM cats;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | cat | Raphail | 2001-01-15 | gray | кис-кис, брысь |
| 2 | cat | Murka | 2021-07-03 | white | кис-кис, брысь |
| 3 | cat | Pushok | 2013-02-18 | black | кис-кис, брысь |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,03 sec)

mysql> CREATE TABLE dogs
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id)
-> );
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO dogs (name, an_type, birthday, color, commands)
-> VALUES
-> ('Grom', 'dog', '2021-11-15', 'brown', 'сидеть, лежать, апорт'),
-> ('Barbos', 'dog', '2021-08-03', 'white', 'сидеть, лежать, апорт, голос'),
-> ('Tilda', 'dog', '2022-03-19', 'black', 'сидеть, лежать, апорт, голос');
Query OK, 3 rows affected (0,02 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM dogs;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | dog | Grom | 2021-11-15 | brown | сидеть, лежать, апорт |
| 2 | dog | Barbos | 2021-08-03 | white | сидеть, лежать, апорт, голос |
| 3 | dog | Tilda | 2022-03-19 | black | сидеть, лежать, апорт, голос |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> |
```

```
root@xopek-VirtualBox: /hon x + v

Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM dogs;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | dog | Grom | 2021-11-15 | brown | сидеть, лежать, апорт |
| 2 | dog | Barbos | 2021-08-03 | white | сидеть, лежать, апорт, голос |
| 3 | dog | Tilda | 2022-03-19 | black | сидеть, лежать, апорт, голос |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> CREATE TABLE rats
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,05 sec)

mysql> INSERT INTO rats (name, an_type, birthday, color, commands)
-> VALUES
-> ('Busina', 'rat', '2018-12-17', 'gray', 'гулять'),
-> ('Lariska', 'rat', '2020-06-13', 'white', ''),
-> ('Stepan', 'rat', '2023-10-19', 'black', '');
Query OK, 3 rows affected (0,01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM rats;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | rat | Busina | 2018-12-17 | gray | гулять |
| 2 | rat | Lariska | 2020-06-13 | white | |
| 3 | rat | Stepan | 2023-10-19 | black | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> |
```



```
root@xopek-VirtualBox: /hon x + v
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM rats;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | rat | Busina | 2018-12-17 | gray | гулять |
| 2 | rat | Lariska | 2020-06-13 | white | |
| 3 | rat | Stepan | 2023-10-19 | black | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> CREATE TABLE horses
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO horses (name, an_type, birthday, color, commands)
-> VALUES
-> ('Vezuchiy', 'horse', '2018-12-12', 'gray', 'шагом аллюр галоп'),
-> ('Lambda', 'horse', '2021-09-13', 'white', 'ко мне шагом аллюр галоп'),
-> ('Rossinant', 'horse', '2023-05-21', 'black', 'шагом аллюр галоп');
Query OK, 3 rows affected (0,01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM horses;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | horse | Vezuchiy | 2018-12-12 | gray | шагом аллюр галоп |
| 2 | horse | Lambda | 2021-09-13 | white | ко мне шагом аллюр галоп |
| 3 | horse | Rossinant | 2023-05-21 | black | шагом аллюр галоп |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> |
```

```
root@xopek-VirtualBox: /hon x + v
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM horses;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | horse | Vezuchiy | 2018-12-12 | gray | шагом аллюр галоп |
| 2 | horse | Lambda | 2021-09-13 | white | ко мне шагом аллюр галоп |
| 3 | horse | Rossinant | 2023-05-21 | black | шагом аллюр галоп |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> CREATE TABLE camels
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO camels (name, an_type, birthday, color, commands)
-> VALUES
-> ('Miha', 'camel', '2018-12-14', 'gray', 'лежать встать пошел'),
-> ('Vasia', 'camel', '2021-09-25', 'white', 'лежать встать пошел'),
-> ('Truck', 'camel', '2023-08-21', 'black', 'лежать встать пошел');
Query OK, 3 rows affected (0,01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM camels;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | camel | Miha | 2018-12-14 | gray | лежать встать пошел |
| 2 | camel | Vasia | 2021-09-25 | white | лежать встать пошел |
| 3 | camel | Truck | 2023-08-21 | black | лежать встать пошел |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> |
```

```
root@xopek-VirtualBox: /hon x + v
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM camels;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | camel | Miha | 2018-12-14 | gray | лежать встать пошел |
| 2 | camel | Vasia | 2021-09-25 | white | лежать встать пошел |
| 3 | camel | Truck | 2023-08-21 | black | лежать встать пошел |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> CREATE TABLE donkeys
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO donkeys (name, an_type, birthday, color, commands)
-> VALUES
-> ('Biba', 'donkey', '2019-12-17', 'gray', 'лежать встать пошел'),
-> ('Boba', 'donkey', '2022-09-14', 'gray', 'лежать встать пошел'),
-> ('Vizir', 'donkey', '2013-11-24', 'black', 'лежать встать пошел');
Query OK, 3 rows affected (0,01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM donkeys;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | donkey | Biba | 2019-12-17 | gray | лежать встать пошел |
| 2 | donkey | Boba | 2022-09-14 | gray | лежать встать пошел |
| 3 | donkey | Vizir | 2013-11-24 | black | лежать встать пошел |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> |
```

```
root@xopek-VirtualBox: /hon x + v
| 2 | donkey | Boba | 2022-09-14 | gray | лежать встать пошел |
| 3 | donkey | Vizir | 2013-11-24 | black | лежать встать пошел |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0,00 sec)

mysql> CREATE TABLE pets
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,05 sec)

mysql> INSERT INTO pets (an_type, name, birthday, color, commands)
-> SELECT an_type, name, birthday, color, commands FROM cats
-> UNION
-> SELECT an_type, name, birthday, color, commands FROM dogs
-> UNION
-> SELECT an_type, name, birthday, color, commands FROM rats;
Query OK, 9 rows affected (0,04 sec)
Records: 9 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM pets;
+-----+-----+-----+-----+-----+-----+
| id | an_type | name | birthday | color | commands |
+-----+-----+-----+-----+-----+-----+
| 1 | cat | Raphail | 2001-01-15 | gray | кис-кис, брысь |
| 2 | cat | Murka | 2021-07-03 | white | кис-кис, брысь |
| 3 | cat | Pushok | 2013-02-18 | black | кис-кис, брысь |
| 4 | dog | Grom | 2021-11-15 | brown | сидеть, лежать, апорт |
| 5 | dog | Barbos | 2021-08-03 | white | сидеть, лежать, апорт, голос |
| 6 | dog | Tilda | 2022-03-19 | black | сидеть, лежать, апорт, голос |
| 7 | rat | Busina | 2018-12-17 | gray | гулять |
| 8 | rat | Lariska | 2020-06-13 | white | |
| 9 | rat | Stepan | 2023-10-19 | black | |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0,00 sec)

mysql> |
```

10. Удалив из таблицы верблюдов, т.к. верблюдов решили перевезти в другой питомник на зимовку. Объединить таблицы лошади, и ослы в одну таблицу.


```
root@xopek-VirtualBox: /hon x + v
+-----+
9 rows in set (0,00 sec)

mysql> CREATE TABLE pack_animals
-> (
-> id INT AUTO_INCREMENT,
-> an_type VARCHAR(10),
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO pack_animals (an_type, name, birthday, color, commands)
-> SELECT an_type, name, birthday, color, commands FROM horses
-> UNION
-> SELECT an_type, name, birthday, color, commands FROM camels
-> UNION
-> SELECT an_type, name, birthday, color, commands FROM donkeys;
Query OK, 9 rows affected (0,01 sec)
Records: 9 Duplicates: 0 Warnings: 0

mysql> DELETE FROM pack_animals WHERE an_type = 'camel';
Query OK, 3 rows affected (0,04 sec)

mysql> SELECT * FROM pack_animals;
+-----+
| id | an_type | name      | birthday   | color  | commands                |
+-----+
| 1 | horse   | Vezuchiy  | 2018-12-12 | gray   | шагом аллюр галоп      |
| 2 | horse   | Lambda    | 2021-09-13 | white  | ко мне шагом аллюр галоп |
| 3 | horse   | Rossinant | 2023-05-21 | black  | шагом аллюр галоп      |
| 7 | donkey   | Biba      | 2019-12-17 | gray   | лежать встать пошел     |
| 8 | donkey   | Boba      | 2022-09-14 | gray   | лежать встать пошел     |
| 9 | donkey   | Vizir     | 2013-11-24 | black  | лежать встать пошел     |
+-----+
6 rows in set (0,01 sec)

mysql> DELETE FROM pack_animals WHERE an_type = 'camel';
```

11. Создать новую таблицу “молодые животные” в которую попадут все животные старше 1 года, но младше 3 лет и в отдельном столбце с точностью до месяца подсчитать возраст животных в новой таблице

```

root@xopek-VirtualBox: /hon
mysql> CREATE TABLE young_animals
-> (
-> id INT AUTO_INCREMENT,
-> name VARCHAR(20),
-> birthday DATE,
-> color VARCHAR(20),
-> commands VARCHAR(50),
-> type VARCHAR(10),
-> age DECIMAL,
-> PRIMARY KEY (id));
Query OK, 0 rows affected (0,04 sec)

mysql> INSERT INTO young_animals (name, birthday, color, commands, type, age)
-> SELECT name, birthday, color, commands, 'cats', TIMESTAMPDIFF(MONTH, birthday, CURDATE())
-> FROM cats WHERE (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) > 1) AND (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) < 3)
-> UNION
-> SELECT name, birthday, color, commands, 'dogs', TIMESTAMPDIFF(MONTH, birthday, CURDATE())
-> FROM dogs WHERE (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) > 1) AND (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) < 3)
-> UNION
-> SELECT name, birthday, color, commands, 'rats', TIMESTAMPDIFF(MONTH, birthday, CURDATE())
-> FROM rats WHERE (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) > 1) AND (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) < 3)
-> UNION
-> SELECT name, birthday, color, commands, 'horses', TIMESTAMPDIFF(MONTH, birthday, CURDATE())
-> FROM horses WHERE (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) > 1) AND (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) < 3)
-> UNION
-> SELECT name, birthday, color, commands, 'camels', TIMESTAMPDIFF(MONTH, birthday, CURDATE())
-> FROM camels WHERE (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) > 1) AND (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) < 3)
-> UNION
-> SELECT name, birthday, color, commands, 'donkeys', TIMESTAMPDIFF(MONTH, birthday, CURDATE())
-> FROM donkeys WHERE (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) > 1) AND (TIMESTAMPDIFF(YEAR, birthday, CURDATE()) < 3);
Query OK, 5 rows affected (0,02 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM young_animals;
+----+-----+-----+-----+-----+-----+-----+
| id | name  | birthday | color | commands | type | age |
+----+-----+-----+-----+-----+-----+-----+
| 1  | Murka | 2021-07-03 | white | кис-кис, брысь | cats | 29 |
| 2  | Grom  | 2021-11-15 | brown | сидеть, лежать, апорт | dogs | 24 |
| 3  | Barbos | 2021-08-03 | white | сидеть, лежать, апорт, голос | dogs | 28 |
| 4  | Lambda | 2021-09-13 | white | ко мне шагом аллюр галоп | horses | 26 |
| 5  | Vasia | 2021-09-25 | white | лежать встать пошел | camels | 26 |
+----+-----+-----+-----+-----+-----+-----+
5 rows in set (0,00 sec)

mysql>

```