7. В подключенном MySQL репозитории создать базу данных "Друзья человека"

8. Создать таблицы с иерархией из диаграммы в БД

```
mysql> CREATE TABLE `camel`
         `id` Int NOT NULL AUTO_INCREMENT,
`camel_name` Varchar(30) NOT NULL,
`date_birth` Date NOT NULL,
     ->
         `commands` Varchar(200),
`id_pack` Int,
PRIMARY KEY (`id`)
     ->
     -> )
Query OK, 0 rows affected (0,02 sec)
mysql> CREATE INDEX `pack_camel` ON `camel` (`id_pack`)
-> ;
Query OK, 0 rows affected (0,01 sec)
Ouery OK, 0 Publicates: 0 Warnings:
Records: 0 Duplicates: 0 Warnings: 0
mysql> CREATE TABLE `horse`
    -> (
-> 'id' Int NOT NULL AUTO_INCREMENT,
          `horse_name` Varchar(30) NOT NULĹ,
`date_birth` Date NOT NULL,
         `commands` Varchar(200),
`id_pack` Int,
PRIMARY KEY (`id`)
Query OK, 0 rows affected (1,02 sec)
mysql> CREATE INDEX `pack_hourse` ON `horse` (`id_pack`)
Query OK, 0 rows affected (0,00 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> CREATE TABLE `mule`
    -> (
-> `id` Int NOT NULL AUTO_INCREMENT,
          `mule_name` Varchar(30) NOT NULL,
`date_birth` Date NOT NULL,
          `commands` Varchar(200),
`id_pack` Int,
PRIMARY KEY (`id`)
     -> )
     -> ;
Query OK, 0 rows affected (0,11 sec)
mysql> CREATE INDEX `pack_mule` ON `mule` (`id_pack`)
Query OK, 0 rows affected (0,01 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> show tables;
| Tables_in_Human_friends |
| animals
  camel
  cat
  dog
  hamster
  horse
  mule
  pack_animals
  pets
9 rows in set (0,00 sec)
mysql>
```

9. Заполнить низкоуровневые таблицы именами(животных), командами которые они выполняют и датами рождения

```
mysql> select * from horse;
| id | horse_name | date_birth | commands | id_pack |
| 1 | Sam | 2020-09-16 | voice | 1 |
| 2 | Sunny | 2016-11-05 | voice | 1 |
| 3 | Lee | 2019-01-05 | voice | 1 |
3 rows in set (0,00 sec)
mysql> select * from mule;
| id | mule_name | date_birth | commands | id_pack |
 1 | Ken | 2019-01-12 | sit | 2 |
2 | Ben | 2019-01-10 | voice | 2 |
3 | Sue | 2018-11-05 | sit | 2 |
3 rows in set (0,00 sec)
mysql> select * from camel;
| id | camel name | date birth | commands | id pack |
| 1 | Solso | 2019-04-04 | eat | 3 |
| 2 | Buqy | 2023-08-07 | eat | 3 |
| 3 | Lenny | 2023-07-05 | eat | 3 |
3 rows in set (0,00 sec)
mysql> select * from cat;
| id | cat_name | date_birth | commands | id_home |
| 1 | Mursik | 2022-01-12 | voice | 1 |
| 2 | Murka | 2021-11-05 | voice | 1 |
| 3 | Barsik | 2019-11-05 | voice | 1 |
3 rows in set (0,00 sec)
mysql> select * from dog;
| id | dog_name | date_birth | commands | id_home |
3 rows in set (0,00 sec)
mysql> select * from hamster;
| id | hamster_name | date_birth | commands | id_home |
  3 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.

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

```
mysql> CREATE TEMPORARY TABLE temp_animals AS
-> SELECT *, 'Лошади' as species FROM horse
-> UNION SELECT *, 'Ослы' AS species FROM mule
-> UNION SELECT *, 'Собаки' AS species FROM dog
-> UNION SELECT *, 'Кошки' AS species FROM cat
-> UNION SELECT *, 'Хомяки' AS species FROM hamster;
Query OK, 15 rows affected (0,00 sec)
Records: 15 Duplicates: 0 Warnings: 0
```

12. Объединить все таблицы в одну, при этом сохраняя поля, указывающие на прошлую принадлежность к старым таблицам.

```
mysql> SELECT h.horse_name, h.date_birth, h.commands, pa.name, ya.Age_in_month
-> FROM horse h
    -> LEFT JOIN young_animals ya ON ya.name = h.horse_name
-> LEFT JOIN pack_animals pa ON pa.Id = h.id_pack
    -> UNION
    -> SELECT m.mule_name, m.date_birth, m.commands, pa.name, ya.Age_in_month
    -> FROM mule m
    -> LEFT JOIN young_animals ya ON ya.name = m.mule_name
    -> LEFT JOIN pack_animals pa ON pa.Id = m.id_pack
    -> UNION
    -> SELECT c.cat_name, c.date_birth, c.commands, p.name, ya.Age_in_month
    -> FROM cat c
    -> LEFT JOIN young_animals ya ON ya.name = c.cat_name
    -> LEFT JOIN pets p ON p.Id = c.id_home
    -> UNION
    -> SELECT d.dog_name, d.date_birth, d.commands, p.name, ya.Age_in_month
    -> FROM dog d
    -> LEFT JOIN young_animals ya ON ya.Name = d.dog_name -> LEFT JOIN pets p ON p.Id = d.id_home
    -> UNION
    -> SELECT hm.hamster_name, hm.date_birth, hm.commands, p.name, ya.Age_in_month
    -> FROM hamster hm
    -> LEFT JOIN young_animals ya ON ya.name = hm.hamster_name
-> LEFT JOIN pets p ON p.Id = hm.id_home;
 horse_name | date_birth | commands | name
                                                    | Age_in_month |
                2020-09-16
                               voice
                                                               NULL
 Sam
                                           horse
                2016-11-05
                                                               NULL
 Sunny
                               voice
                                           horse
                2019-01-05
                               voice
                                           horse
                                                               NULL
 Lee
                2019-01-12
                               sit
                                           mule
                                                               NULL
 Ken
                2019-01-10
                               voice
 Ben
                                           mule
                                                               NULL
                2018-11-05
 Sue
                               sit
                                           mule
                                                               NULL
                2022-01-12
 Mursik
                               voice
                                           cat
                                                                 25
                2021-11-05
                               voice
 Murka
                                           cat
                                                                  27
                2019-11-05
 Barsik
                               voice
                                                               NULL
                                           cat
                2019-01-12
                               sit
                                                               NULL
 Rex
                                           dog
                2020-03-10
                               voice
 Ben
                                           dog
                                                               NULL
 Lucky
                2018-11-05
                              sit
                                           dog
                                                               NULL
                2023-01-12
                               eat
                                           hamster
 Kit
                                                                 13
                2023-11-08
 Luk
                                                               NULL
                              eat
                                           hamster
 Sivs
                2023-12-05
                              eat
                                           hamster
                                                               NULL
15 rows in set (0,00 sec)
```