**TASK7-9:**

```
CREATE DATABASE Human_friends;

USE Human_friends;
CREATE TABLE animal_classes
(
	Id INT AUTO_INCREMENT PRIMARY KEY,
	Class_name VARCHAR(20)
);

INSERT INTO animal_classes (Class_name)
VALUES ('Вьючные'),
('Домашние');


CREATE TABLE packed_animals
(
	Id INT AUTO_INCREMENT PRIMARY KEY,
   Genus_name VARCHAR (20),
   Class_id INT,
   FOREIGN KEY (Class_id) REFERENCES animal_classes (Id) ON DELETE CASCADE ON
UPDATE CASCADE
);

INSERT INTO packed_animals (Genus_name, Class_id)
VALUES ('Лошади', 1),
('Ослы', 1),
('Верблюды', 1);

CREATE TABLE pets
(
	Id INT AUTO_INCREMENT PRIMARY KEY,
   Genus_name VARCHAR (20),
   Class_id INT,
   FOREIGN KEY (Class_id) REFERENCES animal_classes (Id) ON DELETE CASCADE ON
UPDATE CASCADE
);

INSERT INTO pets (Genus_name, Class_id)
VALUES ('Кошки', 2),
('Собаки', 2),
('Хомяки', 2);

CREATE TABLE cats
(
   Id INT AUTO_INCREMENT PRIMARY KEY,
   Name VARCHAR(20),
   Birthday DATE,
   Commands VARCHAR(50),
   Genus_id int,
   Foreign KEY (Genus_id) REFERENCES pets (Id) ON DELETE CASCADE ON UPDATE
CASCADE
);


INSERT INTO cats (Name, Birthday, Commands, Genus_id)
VALUES ('Муся', '2020-01-01', 'брысь', 1),
```

```
('Кевин', '2021-01-01', "нельзя", 1),
('Фаня', '2022-01-01', "кушать", 1);


CREATE TABLE dogs
(
   Id INT AUTO_INCREMENT PRIMARY KEY,
   Name VARCHAR(20),
   Birthday DATE,
   Commands VARCHAR(50),
   Genus_id int,
   Foreign KEY (Genus_id) REFERENCES pets (Id) ON DELETE CASCADE ON UPDATE
CASCADE
);
INSERT INTO dogs (Name, Birthday, Commands, Genus_id)
VALUES ('Джек', '2020-01-01', 'ко мне, лежать, лапу, голос', 2),
('Кузя', '2021-01-01', "сидеть, лежать, лапу", 2),
('Шарик', '2022-01-01', "сидеть, лежать, лапу, след", 2);

CREATE TABLE hamsters
(
   Id INT AUTO_INCREMENT PRIMARY KEY,
   Name VARCHAR(20),
   Birthday DATE,
   Commands VARCHAR(50),
   Genus_id int,
   Foreign KEY (Genus_id) REFERENCES pets (Id) ON DELETE CASCADE ON UPDATE
CASCADE
);
INSERT INTO hamsters (Name, Birthday, Commands, Genus_id)
VALUES ('Малыш', '2020-01-01', "", 3),
('Боня', '2021-01-01', "", 3),
('Дымок', '2022-01-01', NULL, 3);

CREATE TABLE horses
(
   Id INT AUTO_INCREMENT PRIMARY KEY,
   Name VARCHAR(20),
   Birthday DATE,
   Commands VARCHAR(50),
   Genus_id int,
   Foreign KEY (Genus_id) REFERENCES packed_animals (Id) ON DELETE CASCADE ON
UPDATE CASCADE
);
INSERT INTO horses (Name, Birthday, Commands, Genus_id)
VALUES ('Гром', '2020-01-01', "бегом, шагом", 1),
('Закат', '2021-01-01', "бегом, шагом, хоп", 1),
('Молния', '2022-01-01', "бегом, шагом, хоп", 1);

CREATE TABLE donkeys
(
   Id INT AUTO_INCREMENT PRIMARY KEY,
   Name VARCHAR(20),
   Birthday DATE,
   Commands VARCHAR(50),
   Genus_id int,
   Foreign KEY (Genus_id) REFERENCES packed_animals (Id) ON DELETE CASCADE ON
UPDATE CASCADE
);
```

```
INSERT INTO donkeys (Name, Birthday, Commands, Genus_id)
VALUES ('Первый', '2020-01-01', NULL, 2),
('Второй', '2021-01-01', "", 2),
('Третий', '2022-01-01', "", 2);

CREATE TABLE camels
(
   Id INT AUTO_INCREMENT PRIMARY KEY,
   Name VARCHAR(20),
   Birthday DATE,
   Commands VARCHAR(50),
   Genus_id int,
   Foreign KEY (Genus_id) REFERENCES packed_animals (Id) ON DELETE CASCADE ON
UPDATE CASCADE
);
INSERT INTO camels (Name, Birthday, Commands, Genus_id)
VALUES ('Горбатый', '2020-01-01', "вернись", 3),
('Самец', '2021-01-01', "остановись", 3),
('Сифон', '2022-01-01', "повернись", 3);
```

**TASK10:**

```
SET SQL_SAFE_UPDATES = 0;
DELETE FROM camels;

SELECT Name, Birthday, Commands FROM horses
UNION SELECT  Name, Birthday, Commands FROM donkeys;
```

**TASK11:**

```
CREATE TEMPORARY TABLE animals AS
SELECT *, 'Лошади' as genus FROM horses
UNION SELECT *, 'Ослы' AS genus FROM donkeys
UNION SELECT *, 'Собаки' AS genus FROM dogs
UNION SELECT *, 'Кошки' AS genus FROM cats
UNION SELECT *, 'Хомяки' AS genus FROM hamsters;

CREATE TABLE yang_animal AS
SELECT Name, Birthday, Commands, genus, TIMESTAMPDIFF(MONTH, Birthday, CURDATE()) AS
Age_in_month
FROM animals WHERE Birthday BETWEEN ADDDATE(curdate(), INTERVAL -3 YEAR) AND
ADDDATE(CURDATE(), INTERVAL -1 YEAR);

SELECT * FROM yang_animal;
```

**TASK12:**

```
SELECT h.Name, h.Birthday, h.Commands, pa.Genus_name, ya.Age_in_month
FROM horses h
LEFT JOIN yang_animal ya ON ya.Name = h.Name
LEFT JOIN packed_animals pa ON pa.Id = h.Genus_id
UNION
SELECT d.Name, d.Birthday, d.Commands, pa.Genus_name, ya.Age_in_month
FROM donkeys d
LEFT JOIN yang_animal ya ON ya.Name = d.Name
LEFT JOIN packed_animals pa ON pa.Id = d.Genus_id
```

```
UNION
SELECT c.Name, c.Birthday, c.Commands, ha.Genus_name, ya.Age_in_month
FROM cats c
LEFT JOIN yang_animal ya ON ya.Name = c.Name
LEFT JOIN pets ha ON ha.Id = c.Genus_id
UNION
SELECT d.Name, d.Birthday, d.Commands, ha.Genus_name, ya.Age_in_month
FROM dogs d
LEFT JOIN yang_animal ya ON ya.Name = d.Name
LEFT JOIN pets ha ON ha.Id = d.Genus_id
UNION
SELECT hm.Name, hm.Birthday, hm.Commands, ha.Genus_name, ya.Age_in_month
FROM hamsters hm
LEFT JOIN yang_animal ya ON ya.Name = hm.Name
LEFT JOIN pets ha ON ha.Id = hm.Genus_id;
```