

```
ota86@ota86-VBlinux: ~/sharWindows/test/testwork
-> q
-> exit
-> create database nursery
-> Q
-> ^DBye
ota86@ota86-VBlinux:~/sharWindows/test/testwork$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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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 |
+-----+
4 rows in set (1,11 sec)

mysql> create table `animal` (`id` int not null auto_increment, `name` varchar(20) not null, primary key (`id`));
Query OK, 0 rows affected (0,51 sec)

mysql> show tables
+-----+
| Tables_in_humah_friends |
+-----+
| animal |
+-----+
1 row in set (0,01 sec)

mysql> CREATE TABLE `home_animal`
(
  `id` Int NOT NULL AUTO_INCREMENT,
  `home_name` Varchar(20) NOT NULL,
  `livePlace` Varchar(20),
  `id_animal` Int,
  PRIMARY KEY (`id`)
);
Query OK, 0 rows affected (0,36 sec)

mysql> CREATE INDEX `animal_home` ON `home_animal` (`id_animal`);
Query OK, 0 rows affected (0,40 sec)
```

```
CREATE TABLE `animal`
( `id` Int NOT NULL AUTO_INCREMENT,
  `animal_name` Varchar(20) NOT NULL,
  PRIMARY KEY (`id`)
);
CREATE TABLE `home_animal`
( `id` Int NOT NULL AUTO_INCREMENT,
  `home_name` Varchar(20) NOT NULL,
  `livePlace` Varchar(20),
  `id_animal` Int,
  PRIMARY KEY (`id`)
);
CREATE INDEX `animal_home` ON `home_animal` (`id_animal`);
```

```
CREATE TABLE `cat`
( `id` Int NOT NULL AUTO_INCREMENT,
  `cat_name` Varchar(30) NOT NULL,
  `date_birth` Date NOT NULL,
  `commands` Varchar(200),
```

```
`color` Varchar(20),  
`id_home` Int,  
PRIMARY KEY (`id`)  
);  
CREATE INDEX `home_cat` ON `cat` (`id_home`);
```

```
CREATE TABLE `dog`  
( `id` Int NOT NULL AUTO_INCREMENT,  
  `dog_name` Varchar(30) NOT NULL,  
  `date_birth` Date NOT NULL,  
  `commands` Varchar(200),  
  `color` Varchar(20),  
  `id_home` Int,  
  PRIMARY KEY (`id`)  
);  
CREATE INDEX `home_dog` ON `dog` (`id_home`);
```

```
CREATE TABLE `hamster`  
( `id` Int NOT NULL AUTO_INCREMENT,  
  `hamster_name` Varchar(30) NOT NULL,  
  `date_birth` Date NOT NULL,  
  `commands` Varchar(200),  
  `color` Varchar(20),  
  `id_home` Int,  
  PRIMARY KEY (`id`)  
);  
CREATE INDEX `home_hamster` ON `hamster` (`id_home`);
```

```
CREATE TABLE `pack_animal`  
( `id` Int NOT NULL AUTO_INCREMENT,  
  `pack_name` Varchar(20) NOT NULL,  
  `livePlace` Varchar(20),  
  `id_animal` Int,  
  PRIMARY KEY (`id`)  
);  
CREATE INDEX `animal_pack` ON `pack_animal` (`id_animal`);
```

```
CREATE TABLE `camel`  
( `id` Int NOT NULL AUTO_INCREMENT,  
  `name` Varchar(30) NOT NULL,  
  `date_birth` Date NOT NULL,  
  `commands` Varchar(200),  
  `color` Varchar(20),  
  `id_pack` Int,  
  PRIMARY KEY (`id`)  
);  
CREATE INDEX `pack_camel` ON `camel` (`id_pack`);
```

```
CREATE TABLE `horse`  
( `id` Int NOT NULL AUTO_INCREMENT,  
  `name` Varchar(30) NOT NULL,  
  `date_birth` Date NOT NULL,  
  `commands` Varchar(200),  
  `color` Varchar(20),
```

```
`id_pack` Int,  
PRIMARY KEY (`id`)  
);
```

```
CREATE INDEX `pack_horse` ON `horse` (`id_pack`);
```

```
CREATE TABLE `mule`
```

```
( `id` Int NOT NULL AUTO_INCREMENT,  
  `name` Varchar(30) NOT NULL,  
  `date_birth` Date NOT NULL,  
  `commands` Varchar(200),  
  `color` Varchar(20),  
  `id_pack` Int,  
  PRIMARY KEY (`id`)  
);
```

```
CREATE INDEX `pack_mule` ON `mule` (`id_pack`)
```

```
;
```

```
ALTER TABLE `home_animal` ADD CONSTRAINT `animal_to_home` FOREIGN KEY (`id_animal`)  
REFERENCES `animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```

```
ALTER TABLE `cat` ADD CONSTRAINT `home_to_cat` FOREIGN KEY (`id_home`) REFERENCES  
`home_animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```

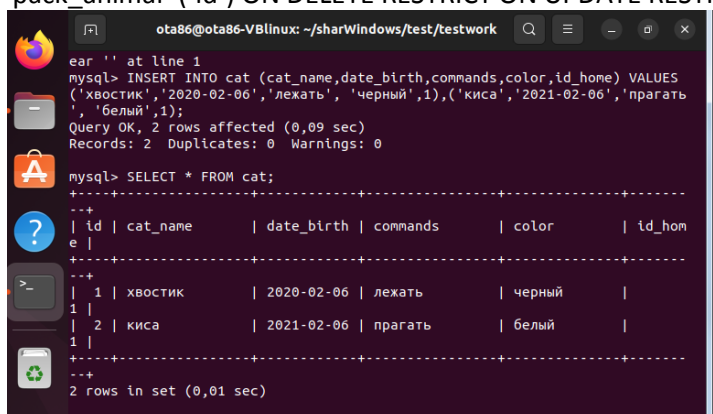
```
ALTER TABLE `dog` ADD CONSTRAINT `home_to_dog` FOREIGN KEY (`id_home`) REFERENCES  
`home_animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```

```
ALTER TABLE `hamster` ADD CONSTRAINT `home_to_hamster` FOREIGN KEY (`id_home`) REFERENCES  
`home_animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```

```
ALTER TABLE `camel` ADD CONSTRAINT `pack_to_camel` FOREIGN KEY (`id_pack`) REFERENCES  
`pack_animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```

```
ALTER TABLE `horse` ADD CONSTRAINT `pack_to_horse` FOREIGN KEY (`id_pack`) REFERENCES  
`pack_animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```

```
ALTER TABLE `mule` ADD CONSTRAINT `pack_to_mule` FOREIGN KEY (`id_pack`) REFERENCES  
`pack_animal` (`id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
```



```
ota86@ota86-VBlinux: ~/sharWindows/test/testwork
ear '' at line 1
mysql> INSERT INTO cat (cat_name,date_birth,commands,color,id_home) VALUES  
('хвостик','2020-02-06','лежать','черный',1),('киса','2021-02-06','прагать',  
'белый',1);  
Query OK, 2 rows affected (0.09 sec)  
Records: 2 Duplicates: 0 Warnings: 0  
  
mysql> SELECT * FROM cat;  
+-----+-----+-----+-----+-----+  
--+  
| id | cat_name | date_birth | commands | color | id_hom  
e |  
+-----+-----+-----+-----+-----+  
--+  
| 1 | хвостик | 2020-02-06 | лежать | черный | 1 |  
| 2 | киса | 2021-02-06 | прагать | белый | 1 |  
+-----+-----+-----+-----+-----+  
--+  
2 rows in set (0.01 sec)
```

```
INSERT INTO cat (cat_name,date_birth,commands,color,id_home) VALUES  
('хвостик','2020-02-06','лежать','черный',1),('киса','2021-02-06','прагать','белый',1);
```

```
INSERT INTO dog (dog_name,date_birth,commands,color,id_home) VALUES
```

```
('шарик','2022-02-06','сидеть','черный',1),('бим','2022-12-07','прагать','белый',1);
```

```
INSERT INTO hamster (hamster_name,date_birth,commands,color,id_home) VALUES  
( 'дон','2022-02-06',' ','черный',1);
```

```
INSERT INTO camel (camel_name,date_birth,commands,color,id_home) VALUES  
( 'камиль','2020-02-09','иди','коричневый',1);
```

```
INSERT INTO horse (horse_name,date_birth,commands,color,id_home) VALUES  
( 'стрела','2021-08-05','галоп','черный',1);
```

```
INSERT INTO mule (mule_name,date_birth,commands,color,id_home) VALUES  
( 'еша','2021-07-06','стоять','коричневый',1);
```

```
DELETE FROM camel;
```

```
SELECT id, name,commands,color,id_pack From horse UNION  
SELECT id, name,commands,color,id_pack From mule
```

```
mysql> CREATE TABLE young_animal (  
-> id int NOT NULL,  
-> name varchar(50),  
-> date_birth Datetime,  
-> commands varchar(200),  
-> color varchar(20),  
-> age varchar(50));  
Query OK, 0 rows affected (0.05 sec)  
  
mysql> INSERT INTO young_animal (id, name, date_birth, commands, color, age)  
-> SELECT id, cat_name, date_birth, commands, color,  
-> CONCAT(CAST(TIMESTAMPDIFF(YEAR, date_birth, NOW()) AS CHAR), " лет ",  
-> CAST(MOD(TIMESTAMPDIFF(MONTH, date_birth, NOW()), 12) AS CHAR), " мес.") AS age  
-> FROM cat  
-> WHERE TIMESTAMPDIFF(MONTH, date_birth, NOW()) BETWEEN 12 AND 36;  
Query OK, 2 rows affected (0.02 sec)  
Records: 2 Duplicates: 0 Warnings: 0  
  
mysql> INSERT INTO young_animal (id, name, date_birth, commands, color, age)  
-> SELECT id, dog_name, date_birth, commands, color,  
-> CONCAT(CAST(TIMESTAMPDIFF(YEAR, date_birth, NOW()) AS CHAR), " лет ",  
-> CAST(MOD(TIMESTAMPDIFF(MONTH, date_birth, NOW()), 12) AS CHAR), " мес.") AS age  
-> FROM dog  
-> WHERE TIMESTAMPDIFF(MONTH, date_birth, NOW()) BETWEEN 12 AND 36;  
Query OK, 3 rows affected (0.01 sec)  
Records: 3 Duplicates: 0 Warnings: 0  
  
mysql> INSERT INTO young_animal (id, name, date_birth, commands, color, age)  
-> SELECT id, name, date_birth, commands, color,  
-> CONCAT(CAST(TIMESTAMPDIFF(YEAR, date_birth, NOW()) AS CHAR), " лет ",  
-> CAST(MOD(TIMESTAMPDIFF(MONTH, date_birth, NOW()), 12) AS CHAR), " мес.") AS age  
-> FROM horse  
-> WHERE TIMESTAMPDIFF(MONTH, date_birth, NOW()) BETWEEN 12 AND 36  
-> UNION ALL  
-> SELECT id, name, date_birth, commands, color,  
-> CONCAT(CAST(TIMESTAMPDIFF(YEAR, date_birth, NOW()) AS CHAR), " лет ",  
MOD(TIMESTAMPDIFF(MONTH, date_birth, NOW()), 12) AS CHAR), " мес.") AS age  
-> FROM mule  
-> WHERE TIMESTAMPDIFF(MONTH, date_birth, NOW()) BETWEEN 12 AND 36;  
Query OK, 0 rows affected (0.00 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
mysql> |
```