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ubuntu [Работает] - Oracle VM VirtualBox
Файл Машина Вид Ввод Устройства Справка

Обзор Терминал Ср, 6 декабря 14:16
root@smile-linux: /home/smile

smile@smile-linux:~$ sudo su
[sudo] пароль для smile:
Попрошуєте пароль.
[sudo] пароль для smile:
root@smile-linux:/home/smile# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.34-0ubuntu22.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE Human_friends;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> CREATE TABLE animal_classes
-> (
->   Id INT AUTO_INCREMENT PRIMARY KEY,
->   Class_name VARCHAR(20)
-> );
ERROR 1050 (42S01): Table 'animal_classes' already exists
mysql> INSERT INTO cats (Name, Birthday, Commands, Genus_id)
-> VALUES ('Дына', '2011-01-01', 'кк-кк-кк', 1),
-> ('Омер', '2016-01-01', 'орсраинтл', 1),
-> ('Тыма', '2017-01-01', '', 1);
Query OK, 3 rows affected (0,15 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> DROP DATABASE Human_friends;
Query OK, 4 rows affected (0,12 sec)

mysql> CREATE DATABASE Human_friends;
Query OK, 1 row affected (0,01 sec)

Database changed
mysql> USE Human_friends;
Database changed
mysql> CREATE TABLE animal_classes
-> (
->   Id INT AUTO_INCREMENT PRIMARY KEY,
->   Class_name VARCHAR(20)
-> );
Query OK, 0 rows affected (0,05 sec)
```

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mysql> INSERT INTO animal_classes (Class_name)
-> VALUES ('вечные'),
-> ('домашние');
Query OK, 2 rows affected (0,01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> 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
-> );
Query OK, 0 rows affected (0,06 sec)

mysql> INSERT INTO packed_animals (Genus_name, Class_id)
-> VALUES ('Лошадн', 1),
-> ('Осина', 1),
-> ('Вербляды', 1);
Query OK, 3 rows affected (0,01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> CREATE TABLE home_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
-> );
Query OK, 0 rows affected (0,06 sec)

mysql> INSERT INTO home_animals (Genus_name, class_id)
-> VALUES ('Кошки', 2),
-> ('Собаки', 2),
-> ('Хомяки', 2);
Query OK, 3 rows affected (0,01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> 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 home_animals (Id) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0,07 sec)

mysql> INSERT INTO cats (Name, Birthday, Commands, Genus_id)
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ubuntu [Рабочий] - Oracle VM VirtualBox
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-> Foreign KEY (Genus_id) REFERENCES home_animals (Id) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0,07 sec)

mysql> INSERT INTO cats (Name, Birthday, Commands, Genus_id)
-> VALUES ('Пуна', '2011-01-01', 'кк-кк-кк', 1),
-> ('Олег', '2016-01-01', 'оставить!', 1),
-> ('Тыма', '2017-01-01', '', 1);
Query OK, 3 rows affected (0,01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> 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 home_animals (Id) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0,06 sec)

mysql> INSERT INTO dogs (Name, Birthday, Commands, Genus_id)
-> VALUES ('Дик', '2020-01-01', 'ко мне, лежать, лапу, голос', 2),
-> ('Граф', '2021-06-12', 'сидеть, лежать, лапу', 2),
-> ('Шарик', '2018-05-01', 'сидеть, лежать, лапу, след, фас', 2),
-> ('Босс', '2021-05-10', 'сидеть, лежать, фу, место', 2);
Query OK, 4 rows affected (0,02 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> 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 home_animals (Id) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0,07 sec)

mysql> INSERT INTO hamsters (Name, Birthday, Commands, Genus_id)
-> VALUES ('Малой', '2020-10-12', '', 3),
-> ('Медведь', '2021-03-12', 'атака сверху', 3),
-> ('Ниндзя', '2022-07-11', NULL, 3),
-> ('Бурый', '2022-05-10', NULL, 3);
Query OK, 4 rows affected (0,01 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE horses
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Поиск

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-> ('Бурый', '2022-05-10', NULL, 3);
Query OK, 4 rows affected (0,01 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> 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
-> );
Query OK, 0 rows affected (0,07 sec)

mysql> INSERT INTO horses (Name, Birthday, Commands, Genus_id)
-> VALUES ('Гром', '2020-01-12', 'бером, шагом', 1),
-> ('Закат', '2017-03-12', 'бером, шагом, хоп', 1),
-> ('Байкал', '2016-07-12', 'бером, шагом, хоп, бпр', 1),
-> ('Молния', '2020-11-10', 'бером, шагом, хоп', 1);
Query OK, 4 rows affected (0,20 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> 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
-> );
Query OK, 0 rows affected (0,08 sec)

mysql> INSERT INTO donkeys (Name, Birthday, Commands, Genus_id)
-> VALUES ('Первый', '2019-04-10', NULL, 2),
-> ('Второй', '2020-03-12', '', 2),
-> ('Третий', '2021-07-12', '', 2),
-> ('Четвертый', '2022-12-10', NULL, 2);
Query OK, 4 rows affected (0,02 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> 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
```

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Обзор Терминал Ср, 6 декабря 14:20
root@smile-linux: /home/smile

Records: 4 Duplicates: 0 Warnings: 0

mysql> 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
-> );
Query OK, 0 rows affected (0,06 sec)

mysql> INSERT INTO camels (Name, Birthday, Commands, Genus_id)
-> VALUES ('Горбатый', '2022-04-10', 'вернись', 3),
-> ('Самец', '2019-03-12', 'остановись', 3),
-> ('Сифон', '2015-07-12', 'повернись', 3),
-> ('Борода', '2022-12-10', 'улыбнись', 3);
Query OK, 4 rows affected (0,01 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> SET SQL_SAFE_UPDATES = 0;
Query OK, 0 rows affected (0,00 sec)

mysql> DELETE FROM camels;
Query OK, 4 rows affected (0,01 sec)

mysql> SELECT Name, Birthday, Commands FROM horses
-> UNION SELECT Name, Birthday, Commands FROM donkeys;
+-----+-----+-----+
| Name | Birthday | Commands |
+-----+-----+-----+
| Гром | 2020-01-12 | бером, шагом |
| Закат | 2017-03-12 | бером, шагом, хоп |
| Байкал | 2016-07-12 | бером, шагом, хоп, бпп |
| Молния | 2020-11-10 | бером, шагом, хоп |
| Первый | 2019-04-10 | NULL |
| Второй | 2020-03-12 | NULL |
| Третий | 2021-07-12 | NULL |
| Четвертый | 2022-12-10 | NULL |
+-----+-----+-----+
8 rows in set (0,03 sec)

mysql> 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;
Query OK, 19 rows affected (0,00 sec)
```

```
Обзор Терминал Ср, 6 декабря 14:20
root@smile-linux: /home/smile

Records: 19 Duplicates: 0 Warnings: 0

mysql> 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);
Query OK, 6 rows affected (0,07 sec)
Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM yang_animal;
+-----+-----+-----+-----+-----+
| Name | Birthday | Commands | genus | Age_in_month |
+-----+-----+-----+-----+-----+
| Третий | 2021-07-12 | сидеть, лехать, лапу | Ослы | 28 |
| Граф | 2021-06-12 | сидеть, лехать, фу, место | Собаки | 29 |
| Босс | 2021-05-10 | сидеть, лехать, фу, место | Собаки | 30 |
| Медведь | 2021-03-12 | атака сверху | Хомяки | 32 |
| Ниндзя | 2022-07-11 | NULL | Хомяки | 16 |
| Бурый | 2022-05-10 | NULL | Хомяки | 18 |
+-----+-----+-----+-----+-----+
6 rows in set (0,00 sec)

mysql> 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 home_animals 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 home_animals 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 home_animals ha ON ha.Id = hm.Genus_id;
+-----+-----+-----+-----+-----+
| Name | Birthday | Commands | Genus_name | Age_in_month |
+-----+-----+-----+-----+-----+
| Гром | 2020-01-12 | бером, шагом | Лошади | NULL |
| Закат | 2017-03-12 | бером, шагом, хоп | Лошади | NULL |
```

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root@smile-linux: /home/smile

mysql> 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 home_animals 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 home_animals ha ON ha.Id = d.Genus_id
-> UNION
-> SELECT hn.Name, hn.Birthday, hn.Commands, ha.Genus_name, ya.Age_in_month
-> FROM hamsters hn
-> LEFT JOIN yang_animal ya ON ya.Name = hn.Name
-> LEFT JOIN home_animals ha ON ha.Id = hn.Genus_id;
```

Name	Birthday	Commands	Genus_name	Age_in_month
Гром	2020-01-12	бегом, шагом, хоп	Лошади	NULL
Закат	2017-03-12	бегом, шагом, хоп	Лошади	NULL
Байкал	2016-07-12	бегом, шагом, хоп, брр	Лошади	NULL
Молния	2020-11-10	бегом, шагом, хоп	Лошади	NULL
Первый	2019-04-10	NULL	Ослы	NULL
Второй	2020-03-12	NULL	Ослы	NULL
Третий	2021-07-12	NULL	Ослы	28
Четвертый	2022-12-10	NULL	Ослы	NULL
Пупа	2011-01-01	кС-кС-кС	Кошки	NULL
Олег	2016-01-01	отставить!	Кошки	NULL
Тыма	2017-01-01	ко мне, лезать, лапу, голос	Кошки	NULL
Дик	2020-01-01	сидеть, лезать, лапу	Собаки	NULL
Граф	2021-06-12	сидеть, лезать, лапу	Собаки	29
Шарик	2018-05-01	сидеть, лезать, лапу, след, фас	Собаки	NULL
Босс	2021-05-10	сидеть, лезать, фу, место	Собаки	30
Малой	2020-10-12	атака сверху	Хомяки	NULL
Медведь	2021-03-12	NULL	Хомяки	32
Ниндзя	2022-07-11	NULL	Хомяки	16
Бурый	2022-05-10	NULL	Хомяки	18

19 rows in set (0,00 sec)

