

MySQL Workbench

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Limit to 1000 rows

SQLAdditions

1CREATE DATABASE Human_Friends;

2

3USE Human_Friends;

4

5-- Создание таблицы Animals

6CREATE TABLE Animals (

7id_animals INT AUTO_INCREMENT PRIMARY KEY,

8type_animals VARCHAR(255)

9);

10

11-- Создание таблицы Pets

12CREATE TABLE Pets (

13id_pet INT AUTO_INCREMENT PRIMARY KEY,

14type_pet VARCHAR(255),

15id_animals INT,

16FOREIGN KEY (id_animals) REFERENCES Animals (id_animals)

17);

18

19-- Создание таблицы PackAnimals

20CREATE TABLE PackAnimals (

21id_pack_animal INT AUTO_INCREMENT PRIMARY KEY,

22type_pack_animal VARCHAR(255),

23id_animals INT,

24FOREIGN KEY (id_animals) REFERENCES Animals (id_animals)

25);

26

27-- Создание таблицы Cats

28CREATE TABLE Cats (

29id_cat INT AUTO_INCREMENT PRIMARY KEY,

30name VARCHAR(255),

31birth_day DATE,

32commands TEXT,

33id_pet INT,

34FOREIGN KEY (id_pet) REFERENCES Pets (id_pet)

Table: camels

Columns:

id_camelint AI PK

namevarchar(255)

birth_daydate

commandstext

id_pack_animalint

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context HelpSnippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
10	15:51:18	SELECT * FROM YoungAnimals LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
11	15:54:01	CREATE TABLE AllAnimals AS SELECT id_cat AS id, name, birth_day, commands, 'Cat' AS type FROM Cats UNION SELECT id_dog AS id, name, birt...	15 row(s) affected Records: 15 Duplicates: 0 Warnings: 0	0.296 sec
12	15:54:20	SELECT * FROM AllAnimals LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

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Information

Table: camels

Columns:

id_camelint AI PK

namevarchar(255)

birth_daydate

commandstext

id_pack_animalint

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Limit to 1000 rows

SQL File 18*

36

-- Создание таблицы Dogs

37

38 CREATE TABLE Dogs (

39 id_dog INT AUTO_INCREMENT PRIMARY KEY,

40 name VARCHAR(255),

41 birth_day DATE,

42 commands TEXT,

43 id_pet INT,

44 FOREIGN KEY (id_pet) REFERENCES Pets (id_pet)

45);

46

47 -- Создание таблицы Hamsters

48 48 CREATE TABLE Hamsters (

49 id_hamster INT AUTO_INCREMENT PRIMARY KEY,

50 name VARCHAR(255),

51 birth_day DATE,

52 commands TEXT,

53 id_pet INT,

54 FOREIGN KEY (id_pet) REFERENCES Pets (id_pet)

55);

56

57 -- Создание таблицы Horses

58 58 CREATE TABLE Horses (

59 id_horse INT AUTO_INCREMENT PRIMARY KEY,

60 name VARCHAR(255),

61 birth_day DATE,

62 commands TEXT,

63 id_pack_animal INT,

64 FOREIGN KEY (id_pack_animal) REFERENCES PackAnimals (id_pack_animal)

65);

66

67 -- Создание таблицы Camels

68 68 CREATE TABLE Camels (

69 id_camel INT AUTO_INCREMENT PRIMARY KEY,

SQLAdditions

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Output

Action Output

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12	15:54:20	SELECT * FROM AllAnimals LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

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Table: camels

Columns:

id_cameldat PK

namevarchar(255)

birth_daydate

commandsint

id_pack_animalint

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Limit to 1000 rows

SQL File 18*

SQLAdditions

98 ('Donkey', 2);

99 INSERT INTO Cats (name, birth_day, commands, id_pet)

100 VALUES

101 ('Whiskers', '2022-01-01', 'sit, jump', 1),

102 ('Smudge', '2020-02-20', 'Sit, Pounce, Scratch', 1),

103 ('Oliver', '2020-06-30', 'Meow, Scratch, Jump', 1);

104

105 INSERT INTO Dogs (name, birth_day, commands, id_pet)

106 VALUES

107 ('Bella', '2019-11-11', 'Sit, Stay, Roll', 2),

108 ('Buddy', '2018-12-10', 'Sit, Paw, Bark', 2),

109 ('Fido', '2020-01-01', 'Sit, Stay, Fetch', 2),

110 ('Rex', '2021-05-10', 'fetch, sit', 2);

111 INSERT INTO Hamsters (name, birth_day, commands, id_pet)

112 VALUES

113 ('Peanut', '2021-08-01', 'Roll, Spin', 3),

114 ('Hammy', '2021-03-10', 'Roll, Hide', 3),

115 ('Nibbles', '2023-03-20', 'run', 3);

116 INSERT INTO Horses (name, birth_day, commands, id_pack_animal)

117 VALUES

118 ('Blaze', '2016-02-29', 'Trot, Jump, Gallop', 1),

119 ('Storm', '2014-05-05', 'Trot, Canter', 1),

120 ('Thunder', '2019-07-15', 'run', 1);

121 INSERT INTO Camels (name, birth_day, commands, id_pack_animal)

122 VALUES

123 ('Sahara', '2015-08-14', 'Walk, Run', 2),

124 ('Dune', '2018-12-12', 'Walk, Sit', 2),

125 ('Sandy', '2020-10-30', 'carry', 2);

126 INSERT INTO Donkeys (name, birth_day, commands, id_pack_animal)

127 VALUES

128 ('Burro', '2019-01-23', 'Walk, Bray, Kick', 3),

129 ('Eeyore', '2022-02-14', 'carry', 3);

130

131

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Context Help

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allanimalsanimalscamelscatsdogsdonkeyshamstershorseshorsesanddonkeyspackanimalspetsyounganimals

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Table: camels

Columns:

id_cameldnamebirth_daycommandsid_pack_animal

int AI PKvarchar(255)dateint

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131132133134135136137138139140141142143144145146147148149150151152153154155156157158159160161162163164

SELECT * FROM Cats;

SELECT * FROM Pets;

SET SQL_SAFE_UPDATES=0;

-- Удаление записей о верблюдах

DELETE

FROM Camels;

SELECT *

FROM Camels;

-- Объединение таблиц лошадей и ослов

CREATE TABLE HorsesAndDonkeys AS

SELECT id_horse AS id, name, birth_day, commands, 'Horse' AS type

FROM Horses

UNION

SELECT id_donkey AS id, name, birth_day, commands, 'Donkey' AS type

FROM Donkeys;

SELECT *

FROM HorsesAndDonkeys;

-- Создание новой таблицы для животных в возрасте от 1 до 3 лет (от 12 до 36 месяцев)

CREATE TABLE YoungAnimals AS

SELECT id,

name,

birth_day,

SQLAdditions

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Context HelpSnippets

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Information

Table: camels

Columns:

id_camel

name

birth_day

commands

id_pack_animal

int AI PK

varchar(25)

date

text

int

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SQL File 18*

159

-- Создание новой таблицы для животных в возрасте от 1 до 3 лет (от 12 до 36 месяцев)

160

161 • CREATE TABLE YoungAnimals AS

162 SELECT id,

163 name,

164 birth_day,

165 commands,

166 type,

167 TIMESTAMPDIFF(MONTH, birth_day, CURDATE()) AS age_in_months

168 FROM (SELECT id_cat AS id, name, birth_day, commands, 'Cat' AS type

169 FROM Cats

170 UNION ALL

171 SELECT id_dog AS id, name, birth_day, commands, 'Dog' AS type

172 FROM Dogs

173 UNION ALL

174 SELECT id_hamster AS id, name, birth_day, commands, 'Hamster' AS type

175 FROM Hamsters

176 UNION ALL

177 SELECT id AS id, name, birth_day, commands, type

178 FROM HorsesAndDonkeys) AS AllAnimals

179 WHERE TIMESTAMPDIFF(MONTH, birth_day, CURDATE()) BETWEEN 12 AND 36;

180

181

182

183 • SELECT *

184 FROM YoungAnimals;

185

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

idnamebirth_daycommands_typeage_in_months

3Nibbles2023-03-20runHamster22

2Eeyore2022-02-14carryDonkey35

YoungAnimals 5

Read OnlyContext HelpSnippets

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Action Output

#TimeActionMessageDuration / Fetch

1115:54:01CREATE TABLE AllAnimals AS SELECT id_cat AS id, name, birth_day, commands, 'Cat' AS type FROM Cats UNION SELECT id_dog AS id, name, birt...15 row(s) affected Records: 15 Duplicates: 0 Warnings: 00.296 sec

1215:54:20SELECT * FROM AllAnimals LIMIT 0, 100015 row(s) returned0.000 sec / 0.000 sec

1316:30:34SELECT * FROM YoungAnimals LIMIT 0, 10002 row(s) returned0.000 sec / 0.000 sec

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namevarchar(255)

birth_daydate

commandsint

id_pack_animalint

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186

-- Объединение всех созданных таблиц в одну

187

188 • CREATE TABLE AllAnimals AS

189 SELECT id_cat AS id, name, birth_day, commands, 'Cat' AS type

190 FROM Cats

191 UNION

192 SELECT id_dog AS id, name, birth_day, commands, 'Dog' AS type

193 FROM Dogs

194 UNION

195 SELECT id_hamster AS id, name, birth_day, commands, 'Hamster' AS type

196 FROM Hamsters

197 UNION

198 SELECT id AS id, name, birth_day, commands, type

199 FROM HorsesAndDonkeys

200 UNION

201 SELECT id AS id, name, birth_day, commands, type

202 FROM YoungAnimals;

203

204 • SELECT *

205 FROM AllAnimals;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	id	name	birth_day	commands	type
▶	1	Whiskers	2022-01-01	sit, jump	Cat
	2	Smudge	2020-02-20	Sit, Pounce, Scratch	Cat
	3	Oliver	2020-06-30	Meow, Scratch, Jump	Cat
	1	Bella	2019-11-11	Sit, Stay, Roll	Dog
	2	Buddy	2018-12-10	Sit, Paw, Bark	Dog
	3	Fido	2020-01-01	Sit, Stay, Fetch	Dog
	4	Rex	2021-05-10	fetch, sit	Dog
	1	Peanut	2021-08-01	Roll, Spin	Hamster
	2	Hammy	2021-03-10	Roll, Hide	Hamster
	3	Nibbles	2023-03-20	run	Hamster
	1	Blaze	2016-02-29	Trot, Jump, Gallop	Horse
	2	Storm	2014-05-05	Trot, Canter	Horse
	3	Thunder	2019-07-15	run	Horse

Output

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#	Time	Action	Message	Duration / Fetch
✓	12 15:54:20	SELECT * FROM AllAnimals LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
✓	13 16:30:34	SELECT * FROM YoungAnimals LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	14 16:32:10	SELECT * FROM AllAnimals LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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