

ДО

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

example sakila sys vk

Tables

communities communities_users friendship friendship_statuses likes media media_types messages profiles users

Columns

Indexes

Foreign Keys

Triggers

Administration Schemas

Information

Table: users

Columns:

id int UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY COMMENT "Идентификатор строки",

first_name varchar(100)

last_name varchar(100)

email varchar(100)

phone varchar(100)

created_at datetime

code

```
-- ('photo'),
-- ('video'),
-- ('audio')
-- ;
10 SELECT * FROM users LIMIT 10;
11 UPDATE users SET updated_at = NOW() WHERE updated_at < created_at;
12 SELECT * from profiles;
13 UPDATE profiles SET updated_at = NOW() WHERE updated_at < created_at;
14 UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100);
```

Result Grid

#	id	first_name	last_name	email	phone	created_at	updated_at
1	1	Brook	Stehr	o'keefe.bette@example.net	(297)656-7371x0379	1985-12-12 02:00:06	1992-01-31 08:38:06
2	2	Jordane	Dach	imurray@example.net	(938)466-9389x50705	2019-07-08 15:29:04	2009-02-25 23:11:47
3	3	Marie	Greenfelder	guido.schulist@example.com	007.699.7965x611	2014-10-08 19:27:08	1974-11-02 16:34:13
4	4	Marta	Becker	barrows.harmony@example.org	058.417.8238x40026	1989-03-11 12:38:44	2011-10-15 18:40:26
5	5	Otis	Kuvalis	belie17@example.com	1-321-073-3764x91416	2013-01-27 15:10:34	2018-12-12 09:45:40
6	6	Tremayne	Ledner	kmcdure@example.net	1-374-326-3650	1978-05-10 13:32:26	2011-12-26 15:40:21
7	7	Alan	DuBuque	armstrong.dewitt@example.net	1-619-119-8487x903	1986-09-18 03:03:29	1980-11-10 08:40:40
8	8	Leslie	Davis	hodiekwicz.lucius@example.net	02889682580	2001-11-07 20:22:06	2000-03-17 13:27:25
9	9	Freeda	Effertz	deora23@example.org	07176728286	2011-11-12 12:57:28	2005-08-06 09:11:13

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1023	21:46:10	INSERT INTO 'users' ('id', 'first_name', 'last_name', 'email', 'phone', 'created_at', 'updated_at')	1 row(s) affected	0.000 sec
1024	21:46:10	INSERT INTO 'users' ('id', 'first_name', 'last_name', 'email', 'phone', 'created_at', 'updated_at')	1 row(s) affected	0.000 sec
1025	21:46:10	INSERT INTO 'users' ('id', 'first_name', 'last_name', 'email', 'phone', 'created_at', 'updated_at')	1 row(s) affected	0.015 sec

Object Info Session

21:48 01.09.2022

ПОСЛЕ

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Table: users

Columns:

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first_name varchar(100)

last_name varchar(100)

email varchar(100)

phone varchar(100)

created_at datetime

code

```
-- ('audio')
-- ;
10 SELECT * FROM users LIMIT 10;
11 UPDATE users SET updated_at = NOW() WHERE created_at < updated_at;
12 SELECT * from profiles;
13 UPDATE profiles SET updated_at = NOW() WHERE updated_at < created_at;
14 UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100);
15 CREATE TABLE user_statuses (
16 id INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY COMMENT "Идентификатор строки",
```

Result Grid

#	id	first_name	last_name	email	phone	created_at	updated_at
1	1	Brook	Stehr	o'keefe.bette@example.net	(297)656-7371x0379	1985-12-12 02:00:06	2022-09-01 21:59:55
2	2	Jordane	Dach	imurray@example.net	(938)466-9389x50705	2019-07-08 15:29:04	2022-09-01 21:59:55
3	3	Marie	Greenfelder	guido.schulist@example.com	007.699.7965x611	2014-10-08 19:27:08	2022-09-01 21:59:55
4	4	Marta	Becker	barrows.harmony@example.org	058.417.8238x40026	1989-03-11 12:38:44	2022-09-01 21:59:55
5	5	Otis	Kuvalis	belie17@example.com	1-321-073-3764x91416	2013-01-27 15:10:34	2022-09-01 21:59:55
6	6	Tremayne	Ledner	kmcdure@example.net	1-374-326-3650	1978-05-10 13:32:26	2022-09-01 21:59:55
7	7	Alan	DuBuque	armstrong.dewitt@example.net	1-619-119-8487x903	1986-09-18 03:03:29	2022-09-01 21:59:55
8	8	Leslie	Davis	hodiekwicz.lucius@example.net	02889682580	2001-11-07 20:22:06	2022-09-01 21:59:55
9	9	Freeda	Effertz	deora23@example.org	07176728286	2011-11-12 12:57:28	2022-09-01 21:59:55

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1036	21:59:55	UPDATE users SET updated_at = NOW() WHERE created_at < updated_at	100 row(s) affected Rows matched: 100 Changed: 100 Warnings: 0	0.016 sec
1037	22:00:00	SELECT * FROM users LIMIT 10	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22:00 01.09.2022

ДО

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Navigator

code*

```
10 • SELECT * FROM users LIMIT 10;
11 • UPDATE users SET updated_at = NOW() WHERE created_at < updated_at;
12 • DESC users;
13 • DESC profiles;
14 • SELECT * FROM profiles;
15 • UPDATE profiles SET updated_at = NOW() WHERE updated_at < created_at;
16 • UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100);
17 • CREATE TABLE user_statuses (
18   id INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY COMMENT "Идентификатор строки",
```

Result Grid

#	user_id	gender	birthday	photo_id	status	city	country	created_at	updated_at
0			2006-01-14	0	Sunt earum iure reprehenderit	Jefferyborough	89283	2013-01-19 05:29:16	2022-09-01 22:08:50
1			1983-01-03	0	Est architecto in tenetur ex c	Port Shariyaport	3357916	1998-11-04 21:08:28	2022-09-01 22:08:50
2			1971-11-29	0	Sunt occaecati est voluptas ni	Demariofort	593184425	1996-08-14 05:11:49	2022-09-01 22:08:50
3			1989-03-20	0	Est voluptatibus fuga inventor	New Asia	4	2003-11-23 17:44:01	2022-09-01 22:08:50
4			1993-04-30	0	Numquam omnis ut nulla nobis e	Isabellaport	7	1977-08-16 04:01:49	2011-09-20 10:05:26
5			2001-06-18	0	Ut beatae et praesentium simil	South Alberthamouth	172	1988-06-08 21:49:55	2022-09-01 22:08:50
6			2022-03-12	0	Eligendi ut qui voluptatem qui	New Amalia	4829	1977-05-23 05:00:18	2022-09-01 22:08:50
7			2006-09-10	0	Ut qui fugiat ea repellat. Eos	East Thallaville	77087915	1984-05-11 16:01:31	2018-12-29 07:01:57
8			1976-09-18	0	Ut dolorem dolorum repellendus	Armandshire	10	2020-03-13 03:51:17	2022-09-01 22:08:50

profiles 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1044	22:08:50	UPDATE profiles SET updated_at = NOW() WHERE updated_at < created_at	52 row(s) affected Rows matched: 52 Changed: 52 Warnings: 0	0.000 sec
1045	22:08:56	SELECT * FROM profiles LIMIT 10	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Table: users

Columns:

- id int UN AI PK
- first_name varchar(100)
- last_name varchar(100)
- email varchar(100)
- phone varchar(100)
- created_at datetime

22:10 01.09.2022

ПОСЛЕ

MySQL Workbench

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Navigator

code*

```
10 • SELECT * FROM users LIMIT 10;
11 • UPDATE users SET updated_at = NOW() WHERE created_at < updated_at;
12 • DESC users;
13 • DESC profiles;
14 • SELECT * FROM profiles LIMIT 10;
15 • UPDATE profiles SET updated_at = NOW() WHERE updated_at < created_at;
16 • UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100);
17 • CREATE TABLE user_statuses (
18   id INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY COMMENT "Идентификатор строки",
```

Result Grid

#	user_id	gender	birthday	photo_id	status	city	country	created_at	updated_at
0			2006-01-14	61	Sunt earum iure reprehenderit	Jefferyborough	89283	2013-01-19 05:29:16	2022-09-01 22:11:00
1			1983-01-03	23	Est architecto in tenetur ex c	Port Shariyaport	3357916	1998-11-04 21:08:28	2022-09-01 22:11:00
2			1971-11-29	32	Sunt occaecati est voluptas ni	Demariofort	593184425	1996-08-14 05:11:49	2022-09-01 22:11:00
3			1989-03-20	91	Est voluptatibus fuga inventor	New Asia	4	2003-11-23 17:44:01	2022-09-01 22:11:00
4			1993-04-30	59	Numquam omnis ut nulla nobis e	Isabellaport	7	1977-08-16 04:01:49	2022-09-01 22:11:00
5			2001-06-18	21	Ut beatae et praesentium simil	South Alberthamouth	172	1988-06-08 21:49:55	2022-09-01 22:11:00
6			2022-03-12	26	Eligendi ut qui voluptatem qui	New Amalia	4829	1977-05-23 05:00:18	2022-09-01 22:11:00
7			2006-09-10	67	Ut qui fugiat ea repellat. Eos	East Thallaville	77087915	1984-05-11 16:01:31	2022-09-01 22:11:00
8			1976-09-18	57	Ut dolorem dolorum repellendus	Armandshire	10	2020-03-13 03:51:17	2022-09-01 22:11:00

profiles 14 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1046	22:11:00	UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100)	100 row(s) affected Rows matched: 100 Changed: 100 Warnings: 0	0.016 sec
1047	22:11:24	SELECT * FROM profiles LIMIT 10	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Table: users

Columns:

- id int UN AI PK
- first_name varchar(100)
- last_name varchar(100)
- email varchar(100)
- phone varchar(100)
- created_at datetime

22:11 01.09.2022

ДО

MySQL Workbench interface showing the initial state of the database. The 'user_statuses' table is empty.

```
16 • UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100);
17 • CREATE TABLE user_statuses (
18   id INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY COMMENT "Идентификатор строки",
19   name VARCHAR(100) NOT NULL COMMENT "Название статуса (уникально)",
20   created_at DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT "Время создания строки",
21   updated_at DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP COMMENT "Время обновления строки"
22 ) COMMENT "Справочник статусов";
23 • UPDATE profiles SET status = NULL;
24 • SELECT * from user_statuses;
```

id	name	created_at	updated_at
----	------	------------	------------

Table: users

Columns:

- id: int UN AI PK
- first_name: varchar(100)
- last_name: varchar(100)
- email: varchar(100)
- phone: varchar(100)
- created_at: datetime

Output:

#	Time	Action	Message	Duration / Fetch
2	22:18:46	SELECT * FROM profiles LIMIT 10	10 row(s) returned	0.000 sec / 0.000 sec
3	22:19:07	SELECT * from user_statuses LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

ПОСЛЕ

MySQL Workbench interface showing the database after inserting data into the 'user_statuses' table.

```
16 • UPDATE profiles SET photo_id = FLOOR(1 + RAND() * 100);
17 • CREATE TABLE user_statuses (
18   id INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY COMMENT "Идентификатор строки",
19   name VARCHAR(100) NOT NULL COMMENT "Название статуса (уникально)",
20   created_at DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT "Время создания строки",
21   updated_at DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP COMMENT "Время обновления строки"
22 ) COMMENT "Справочник статусов";
23 • UPDATE profiles SET status = NULL;
24 • SELECT * from user_statuses;
```

id	name	created_at	updated_at
1	single	2022-09-01 22:20:41	2022-09-01 22:20:41
2	married	2022-09-01 22:20:41	2022-09-01 22:20:41

Table: users

Columns:

- id: int UN AI PK
- first_name: varchar(100)
- last_name: varchar(100)
- email: varchar(100)
- phone: varchar(100)
- created_at: datetime

Output:

#	Time	Action	Message	Duration / Fetch
4	22:20:41	INSERT INTO user_statuses (name) VALUES ('single'), ('married')	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.000 sec
5	22:20:47	SELECT * from user_statuses LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec