

## Create store database and countries table

The screenshot shows the MySQL Workbench interface. The 'Navigator' pane on the left displays the 'store' database schema, including the 'countries' table. The 'Query 1' pane contains the following SQL code:

```
1 CREATE DATABASE store;
2 USE store;
3 CREATE TABLE countries(
4   code int PRIMARY KEY,
5   name VARCHAR(20) unique,
6   continent_name VARCHAR(20) NOT NULL);
7
8 USE store;
9 CREATE TABLE users(
10  id int PRIMARY KEY,
11  full_name VARCHAR(20),
12  email VARCHAR(20) unique,
13  gender char(1) check(gender='m' or gender='f'),
```

The 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
80	12:19:22	CREATE DATABASE store	1 row(s) affected	0.109 sec
81	12:25:59	USE store	0 row(s) affected	0.000 sec
82	12:25:59	CREATE TABLE countries( code int PRIMARY KEY , na...	0 row(s) affected	0.094 sec
83	12:41:28	USE store	0 row(s) affected	0.000 sec
84	12:41:28	CREATE TABLE users( id int PRIMARY KEY, full_name V...	0 row(s) affected	0.094 sec
85	12:50:58	USE store	0 row(s) affected	0.000 sec

The 'Information' pane shows the structure of the 'countries' table:

**Table: countries**

Columns:	
code	int PK
name	varchar(20)
continent_name	varchar(20)

## User table :

The screenshot shows the MySQL Workbench interface. The 'Navigator' pane on the left displays the 'store' database schema, including the 'users' table. The 'Query 1' pane contains the following SQL code:

```
6   continent_name VARCHAR(20) NOT NULL);
7
8 USE store;
9 CREATE TABLE users(
10  id int PRIMARY KEY,
11  full_name VARCHAR(20),
12  email VARCHAR(20) unique,
13  gender char(1) check(gender='m' or gender='f'),
14  date_of_birth VARCHAR(15),
15  created_at datetime default CURRENT_TIMESTAMP,
16  country_code int,
17  FOREIGN KEY(country_code) REFERENCES countries (code));
18
```

The 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
80	12:19:22	CREATE DATABASE store	1 row(s) affected	0.109 sec
81	12:25:59	USE store	0 row(s) affected	0.000 sec
82	12:25:59	CREATE TABLE countries( code int PRIMARY KEY , na...	0 row(s) affected	0.094 sec
83	12:41:28	USE store	0 row(s) affected	0.000 sec
84	12:41:28	CREATE TABLE users( id int PRIMARY KEY, full_name V...	0 row(s) affected	0.094 sec
85	12:50:58	USE store	0 row(s) affected	0.000 sec

The 'Information' pane shows the structure of the 'users' table:

**Table: users**

Columns:	
id	int PK
full_name	varchar(20)
email	varchar(20)
gender	char(1)
date_of_birth	varchar(15)
created_at	datetime
country_code	int

## Order table :

Navigator

SCHEMAS

Filter objects

store

Tables

countries

order\_products

orders

Columns

id

user\_id

status

created\_at

Indexes

Foreign Keys

Triggers

products

Administration

Schemas

Information

Table: orders

Columns:

id int PK

user\_id int

status varchar(6)

created\_at datetime

Object Info

Session

Ready

Query 1

SQL File 1\*

Limit to 1000 rows

SQLAdditions

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

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
85	12:50:58	USE store	0 row(s) affected	0.000 sec
86	12:50:59	CREATE TABLE orders(id int PRIMARY KEY, user_id int ...	0 row(s) affected	0.047 sec
87	12:59:05	USE store	0 row(s) affected	0.000 sec
88	12:59:05	CREATE TABLE products(id int PRIMARY KEY, name V...	0 row(s) affected	0.031 sec
89	13:06:33	USE store	0 row(s) affected	0.000 sec

Product table :

Navigator

SCHEMAS

Filter objects

store

Tables

countries

order\_products

orders

Columns

id

name

price

status

created\_at

Indexes

Foreign Keys

Triggers

products

Administration

Schemas

Information

Table: products

Columns:

id int PK

name varchar(10)

price int

status varchar(10)

created\_at datetime

Object Info

Session

Ready

Query 1

SQL File 1\*

Limit to 1000 rows

SQLAdditions

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

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
85	12:50:58	USE store	0 row(s) affected	0.000 sec
86	12:50:59	CREATE TABLE orders(id int PRIMARY KEY, user_id int ...	0 row(s) affected	0.047 sec
87	12:59:05	USE store	0 row(s) affected	0.000 sec
88	12:59:05	CREATE TABLE products(id int PRIMARY KEY, name V...	0 row(s) affected	0.031 sec
89	13:06:33	USE store	0 row(s) affected	0.000 sec

Order product table :

```
Query 1 | SQL File 1* x
```

Limit to 1000 rows

```
50  
51 • insert into countries values (1,'Riyadh','Riyadh');  
52 • select * from countries;  
53  
54  
55 • insert into users(id , full_name , email,gender,date_of_birth, country_code) values (1,'ghadeer',  
56 • select * from users;  
57  
58 • insert into orders(id , user_id , status) values (1,1,'start');  
59 • select * from orders;  
60  
61  
62 • insert into products(id , name ,price , status) values (1,'app',100,'valid');  
63 • select * from products;  
64  
65 -- order_products
```

< >

Output

Action Output

#	Time	Action	Message
✓ 96	13:18:35	CREATE TABLE order_products( order_id int , product_id i...	0 row(s) affected
✓ 97	13:23:00	insert into countries values (1,'Riyadh','Riyadh')	1 row(s) affected
✓ 98	13:23:20	select *from countries LIMIT 0, 1000	1 row(s) returned

Query 1 SQL File 1\* x SQLAdditions

Limit to 1000 rows

```

50
51 • insert into countries values (1,'Riyadh','Riyadh');
52 • select * from countries;
53
54
55 • insert into users(id , full_name , email,gender,date_of_birth, country_code) values (1,'ghadeer','ghadeer.rahman@gmail.com','male','1990-01-01','SA');
56 • select * from users;
57
58 • insert into orders(id , user_id , status) values (1,1,'start');
59 • select * from orders;
60
61
62 • insert into products(id , name ,price , status) values (1,'app',100,'valid');
63 • select * from products;

```

Automatic disabled. Use manually get current caret position or toggle automatic help.

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 100	13:28:37	insert into users(id , full_name , email,gender,date_of_birth, country_code) values (1,'ghadeer','ghadeer.rahman@gmail.com','male','1990-01-01','SA');	1 row(s) affected	0.000 sec
✓ 101	13:28:37	select * from users LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 102	13:30:58	insert into orders(id , user_id , status) values (1,1,'start');	1 row(s) affected	0.000 sec
✓ 103	13:30:58	select * from orders LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 104	13:34:05	insert into products(id , name ,price , status) values (1,'app',100,'valid');	1 row(s) affected	0.000 sec

Update row :

Query 1 SQL File 1\* x SQLAdditions

Limit to 1000 rows

```

63 • select * from products;
64
65 -- order_products
66
67 • insert into order_products values (1,1,100);
68 • select * from order_products;
69
70 • update countries set name='Damam' where code=1;
71 • select * from countries;
72
73 • delete from order_products where product_id=1;
74 • delete from products where id=1;
75 • select * from products;
76

```

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

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 106	13:35:51	insert into order_products values (1,1,100);	1 row(s) affected	0.000 sec
✓ 107	13:35:51	select * from order_products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 108	13:38:29	update countries set name='Damam' where code=1;	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
✓ 109	13:38:29	select * from countries LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Delete row :

The screenshot shows a SQL IDE interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The query editor contains the following SQL code:

```
61
62 • insert into products(id , name ,price , status) values (1,'app',100,'valid');
63 • select * from products;
64
65 -- order_products
66
67 • insert into order_products values (1,1,100);
68 • select * from order_products;
69
70 • update countries set name='Damam' where code=1;
71 • select * from countries;
72
73 • delete from order_products where product_id=1;
74 • delete from products where id=1;
75 • select * from products;
76
77
```

On the right side, there is a 'SQL Additions' panel with a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

At the bottom, the 'Output' window is open, showing 'Action Output' with the following table:

#	Time	Action	Message	Duration / Fetch
✓ 112	13:48:37	delete from order_products where product_id=1	1 row(s) affected	0.000 sec
✓ 113	13:48:47	delete from products where id=1	1 row(s) affected	0.015 sec