

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

sample SQL File 7 SQL File 7

Limit to 1000 rows

```
32 VALUES
33 ('Daniel Wanjala', 'Male', '1990-05-15', 'Flu', 500.00, 1),
34 ('Ivy Wiku', 'Female', '1985-10-20', 'Fever', 700.00, 2),
35 ('Alice Kenyatta', 'Female', '2000-03-10', 'Allergy', 450.00, 1),
36 ('Robert Mbugua', 'Male', '1975-12-25', 'Diabetes', 1000.00, 3),
37 ('Emma Karuki', 'Female', '1995-07-01', 'Cold', 300.00, 2),
38 ('Liam Ndung'u', 'Male', '1980-04-22', 'Asthma', 850.00, 3),
39 ('Olivia Jones', 'Female', '2002-01-17', 'Migraine', 400.00, 1),
40 ('Ethan Kaka', 'Male', '1993-11-11', 'Hypertension', 1200.00, 3);
41
42 -- Step 6: Query for total fees paid by patients
43 SELECT SUM(FeesPaid) AS TotalFeesPaid FROM patient;
44
45 -- Step 7: Query for patients whose names contain 'a'
46 SELECT * FROM patient WHERE PatientName LIKE '%a%';
47
48 -- Step 8: Create a trigger to validate gender input
49 DELIMITER $$
50
51 CREATE TRIGGER check_gender BEFORE INSERT ON patient
52 FOR EACH ROW
53 BEGIN
54     IF NEW.Gender NOT IN ('Male', 'Female') THEN
55         SIGNAL SQLSTATE '45000'
56         SET MESSAGE_TEXT = 'Invalid Gender: Please enter Male or Female';
57     END IF;
58 END;
59
60 DELIMITER ;
61
```

SQL Additions

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

#	Time	Action	Message	Duration / Fetch
1	20:25:45	CREATE DATABASE HospitalDB_New	Error Code: 1007. Can't create database 'hospitaldb_new'; database exists	0.000 sec
2	20:25:57	USE HospitalDB_New	0 row(s) affected	0.000 sec
3	20:25:57	CREATE TABLE ward (wardID INT AUTO_INCREMENT PRIMARY KEY, WardLocation VARCHAR(100) NOT NULL, WardSize INT NOT NULL)	Error Code: 1050. Table 'ward' already exists	0.000 sec
4	20:26:12	SELECT * FROM patient WHERE PatientName LIKE 'a%' LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
5	20:34:00	CREATE TRIGGER check_gender BEFORE INSERT ON patient FOR EACH ROW BEGIN IF NEW.Gender NOT IN ('Male', 'Female') THEN SIGNAL SQLSTATE '45000'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 6	0.000 sec
6	20:34:08	CREATE TRIGGER check_gender BEFORE INSERT ON patient FOR EACH ROW BEGIN IF NEW.Gender NOT IN ('Male', 'Female') THEN SIGNAL SQLSTATE '45000'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 6	0.000 sec

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sample Nehemia Foundation SQL

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46 CREATE TRIGGER check_gender BEFORE INSERT ON patient
47 FOR EACH ROW
48 BEGIN
49     IF NEW.Gender NOT IN ('Male', 'Female') THEN
50         SIGNAL SQLSTATE '45000'
51         SET MESSAGE_TEXT = 'Invalid Gender: Please enter Male or Female';
52     END IF;
53 END;
54
55 DELIMITER ;
56
57 SELECT * FROM ward;
58 SELECT * FROM patient;
59
```

SQL Additions

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

Result Grid

PatentID	PatientName	Gender	DOB	Diagnosis	FeesPaid	WardID
1	Daniel Wanjala	Male	1990-05-15	Flu	500.00	1
2	Ivy Wiku	Female	1985-10-20	Fever	700.00	2
3	Alice Kenyatta	Female	2000-03-10	Allergy	450.00	1
4	Robert Mbugua	Male	1975-12-25	Diabetes	1000.00	3
5	Emma Karuki	Female	1995-07-01	Cold	300.00	2
6	Liam Ndung'u	Male	1980-04-22	Asthma	850.00	3
7	Olivia Jones	Female	2002-01-17	Migraine	400.00	1
8	Ethan Kaka	Male	1993-11-11	Hypertension	1200.00	3

ward 3 patient 4 x

Output

#	Time	Action	Message	Duration / Fetch
8	20:12:49	SELECT SUM(FeesPaid) AS TotalFeesPaid FROM patient LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
9	20:12:49	SELECT * FROM patient WHERE PatientName LIKE 'a%' LIMIT 0, 1000	7 row(s) returned	0.015 sec / 0.000 sec
10	20:13:22	CREATE TRIGGER check_gender BEFORE INSERT ON patient FOR EACH ROW BEGIN IF NEW.Gender NOT IN ('Male', 'Female') THEN SIGNAL SQLSTATE '45000'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 6	0.000 sec
11	20:13:29	CREATE TRIGGER check_gender BEFORE INSERT ON patient FOR EACH ROW BEGIN IF NEW.Gender NOT IN ('Male', 'Female') THEN SIGNAL SQLSTATE '45000'	0 row(s) affected	0.015 sec
12	20:14:03	SELECT * FROM ward LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
13	20:14:03	SELECT * FROM patient LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

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Limit to 1000 rows

```
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34 ('Ivy Wiku', 'Female', '1985-10-20', 'Fever', 700.00, 2),
35 ('Alice Kenyatta', 'Female', '2000-03-18', 'Allergy', 450.00, 1),
36 ('Robert Miguwa', 'Male', '1975-12-25', 'Diabetes', 1000.00, 3),
37 ('Emma Kariki', 'Female', '1995-07-08', 'Cold', 300.00, 2),
38 ('Liam Ndunywa', 'Male', '1980-04-22', 'Asthma', 850.00, 3),
39 ('Olivia Jones', 'Female', '2002-01-17', 'Migraine', 400.00, 1),
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46 SELECT * FROM patient WHERE PatientName LIKE '%a%';
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PatientID	PatientName	Gender	DOB	Diagnosis	FeesPaid	WardID
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4	Robert Miguwa	Male	1975-12-25	Diabetes	1000.00	3
5	Emma Kariki	Female	1995-07-08	Cold	300.00	2
6	Liam Ndunywa	Male	1980-04-22	Asthma	850.00	3
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8	Ethan Kaka	Male	1993-11-11	Hypertension	1200.00	3

patient 1 x

Output

Action Output

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2	20:25:57	USE HospitalDB_New	0 row(s) affected	0.000 sec
3	20:25:57	CREATE TABLE ward (wardID INT AUTO_INCREMENT PRIMARY KEY, WardLocation VARCHAR(100) NOT NULL, WardSize INT NOT NULL)	Error Code: 1050 Table 'ward' already exists	0.000 sec
4	20:26:12	SELECT * FROM patient WHERE PatientName LIKE 'a%';	7 row(s) returned	0.000 sec / 0.000 sec

18°C Light rain

8:26 PM 1/28/2023