DAY8-9_SQl

MySQL Workbench

SQL-DAY-6*

Limit to 10 rows

```sql
3  • ⊖  CREATE TABLE movies (
4        id INT,
5        title VARCHAR(255) NOT NULL,
6        release_year INT,
7        genre VARCHAR(100),
8        duration_minutes INT,
9        director VARCHAR(255),
10       rating DECIMAL(3,1),
11       box_office_millions DECIMAL(10,2),
12       language VARCHAR(50),
13       country VARCHAR(100),
14       created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
15     );
16 •  desc movies;
17 •  select * from movies;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

id	title	release_year	genre	duration_minutes	director	rating	box_office_millions	language	country	created_at
NULL	The Dark Knight	2008	Action	152	Christopher Nolan	9.0	1004.60	English	USA	2026-01-01 19:09:21
NULL	Mad Max: Fury Road	2015	Action	120	George Miller	8.1	378.90	English	Australia	2026-01-01 19:09:21
NULL	John Wick	2014	Action	101	Chad Stahelski	7.4	88.80	English	USA	2026-01-01 19:09:21
NULL	Die Hard	1988	Action	132	John McTiernan	8.2	140.80	English	USA	2026-01-01 19:09:21
NULL	Mission: Impossible - Fallout	2018	Action	147	Christopher McQuarrie	7.7	791.12	English	USA	2026-01-01 19:09:21
NULL	The Shawshank Redemption	1994	Drama	142	Frank Darabont	9.3	58.50	English	USA	2026-01-01 19:09:21
NULL	Forrest Gump	1994	Drama	142	Robert Zemeckis	8.8	677.95	English	USA	2026-01-01 19:09:21
NULL	The Godfather	1972	Drama	175	Francis Ford Coppola	9.2	250.34	English	USA	2026-01-01 19:09:21
NULL	Parasite	2019	Drama	132	Bong Joon Ho	8.6	258.78	Korean	South Korea	2026-01-01 19:09:21
NULL	Schindler's List	1993	Drama	195	Steven Spielberg	8.9	322.16	English	USA	2026-01-01 19:09:21

movies 4

Output — Action Output

#	Time	Action	Message	Duration / Fetch
4	19:07:53	CREATE TABLE movies (id INT, title VARCHAR(255) NOT NULL, release_year INT, genre VARCHAR...	0 row(s) affected	0.047 sec
5	19:08:00	CREATE TABLE movies (id INT, title VARCHAR(255) NOT NULL, release_year INT, genre VARCHAR...	Error Code: 1050. Table 'movies' already exists	0.000 sec
6	19:08:17	show tables'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL serv...	0.000 sec
7	19:08:20	show tables	4 row(s) returned	0.000 sec / 0.000 sec
8	19:09:21	INSERT INTO movies (title, release_year, genre, duration_minutes, director, rating, box_office_millions, language, ...	30 row(s) affected Records: 30 Duplicates: 0 Warnings: 0	0.015 sec

---

MySQL Workbench

SQL-DAY-6*

Limit to 10 rows

```sql
5        title VARCHAR(255) NOT NULL,
6        release_year INT,
7        genre VARCHAR(100),
8        duration_minutes INT,
9        director VARCHAR(255),
10       rating DECIMAL(3,1),
11       box_office_millions DECIMAL(10,2),
12       language VARCHAR(50),
13       country VARCHAR(100),
14       created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
15     );
16 •  desc movies;
17 •  select * from movies;
18 •  select * from movies limit 10;
19 •  select distinct genre from movies;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

genre
Action
Drama
Comedy
Sci-Fi
Horror
Animation

movies 6

Output — Action Output

#	Time	Action	Message	Duration / Fetch
9	19:09:40	desc movies	11 row(s) returned	0.000 sec / 0.000 sec
10	19:10:08	EXPLAIN desc movies	Error Code: 1064 You have an error in your SQL syntax; check the manual that corresponds to your MySQL serve...	
11	19:10:43	select * from movies LIMIT 0, 10	10 row(s) returned	0.000 sec / 0.000 sec
12	19:12:46	select * from movies limit 10	10 row(s) returned	0.000 sec / 0.000 sec
13	19:13:51	select distinct genre from movies LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1: MySQL Workbench — Local instance MySQL80

SQL Editor content:
```
 6       release_year INT,
 7       genre VARCHAR(100),
 8       duration_minutes INT,
 9       director VARCHAR(255),
10       rating DECIMAL(3,1),
11       box_office_millions DECIMAL(10,2),
12       language VARCHAR(50),
13       country VARCHAR(100),
14       created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
15    );
16 •  desc movies;
17 •  select * from movies;
18 •  select * from movies limit 10;
19 •  select distinct genre from movies;
20 •  select * from movies where title like 'John Wick';
```

Result Grid:

id	title	release_year	genre	duration_minutes	director	rating	box_office_millions	language	country	created_at
NULL	John Wick	2014	Action	101	Chad Stahelski	7.4	88.80	English	USA	2026-01-01 19:09:21

movies 8

Action Output:

#	Time	Action	Message	Duration / Fetch
11	19:10:43	select * from movies LIMIT 0, 10	10 row(s) returned	0.000 sec / 0.000 sec
12	19:12:46	select * from movies limit 10	10 row(s) returned	0.000 sec / 0.000 sec
13	19:13:51	select distinct genre from movies LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec
14	19:14:34	select * from movies LIMIT 0, 10	10 row(s) returned	0.015 sec / 0.000 sec
15	19:17:23	select * from movies where title like 'John Wick' LIMIT 0, 10	1 row(s) returned	0.000 sec / 0.000 sec

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Screenshot 2: MySQL Workbench — Local instance MySQL80

SQL Editor content:
```
 7       genre VARCHAR(100),
 8       duration_minutes INT,
 9       director VARCHAR(255),
10       rating DECIMAL(3,1),
11       box_office_millions DECIMAL(10,2),
12       language VARCHAR(50),
13       country VARCHAR(100),
14       created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
15    );
16 •  desc movies;
17 •  select * from movies;
18 •  select * from movies limit 10;
19 •  select distinct genre from movies;
20 •  select * from movies where title like 'John Wick';
21 •  select country from movies where country is not null order by country;
```

Result Grid:

country
Australia
Japan
Japan
South Korea
UK
USA
USA
USA
USA
USA

movies 9

Action Output:

#	Time	Action	Message	Duration / Fetch
12	19:12:46	select * from movies limit 10	10 row(s) returned	0.000 sec / 0.000 sec
13	19:13:51	select distinct genre from movies LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec
14	19:14:34	select * from movies LIMIT 0, 10	10 row(s) returned	0.015 sec / 0.000 sec
15	19:17:23	select * from movies where title like 'John Wick' LIMIT 0, 10	1 row(s) returned	0.000 sec / 0.000 sec
16	19:19:15	select country from movies where country is not null order by country LIMIT 0, 10	10 row(s) returned	0.016 sec / 0.000 sec

Screenshot 1

SQL-DAY-6* ×

Limit to 10 rows

```
21 •  select country from movies where country is not null order by country;
22
23 •  select * from movies where release_year >2000;
24
25
26
27
28
29
30
31
32
33
34
35
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

id	title	release_year	genre	duration_minutes	director	rating	box_office_millions	language	country	created_at
NULL	The Dark Knight	2008	Action	152	Christopher Nolan	9.0	1004.60	English	USA	2026-01-01 19:09:21
NULL	Mad Max: Fury Road	2015	Action	120	George Miller	8.1	378.90	English	Australia	2026-01-01 19:09:21
NULL	John Wick	2014	Action	101	Chad Stahelski	7.4	88.80	English	USA	2026-01-01 19:09:21
NULL	Mission: Impossible - Fallout	2018	Action	147	Christopher McQuarrie	7.7	791.12	English	USA	2026-01-01 19:09:21
NULL	Parasite	2019	Drama	132	Bong Joon Ho	8.6	258.78	Korean	South Korea	2026-01-01 19:09:21
NULL	The Grand Budapest Hotel	2014	Comedy	99	Wes Anderson	8.1	172.92	English	USA	2026-01-01 19:09:21
NULL	Superbad	2007	Comedy	113	Greg Mottola	7.6	169.86	English	USA	2026-01-01 19:09:21
NULL	The Hangover	2009	Comedy	100	Todd Phillips	7.7	467.48	English	USA	2026-01-01 19:09:21
NULL	Step Brothers	2008	Comedy	98	Adam McKay	6.9	128.10	English	USA	2026-01-01 19:09:21
NULL	Inception	2010	Sci-Fi	148	Christopher Nolan	8.8	836.84	English	USA	2026-01-01 19:09:21

movies 15 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	21 19:24:57	select * from movies LIMIT 0, 10	10 row(s) returned	0.000 sec / 0.000 sec
✗	22 19:25:09	select * from movies where director like Christopher LIMIT 0, 10	Error Code: 1054. Unknown column 'Christopher' in 'where clause'	0.000 sec
✓	23 19:25:32	select distinct genre from movies LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec
✓	24 19:25:35	select * from movies LIMIT 0, 10	10 row(s) returned	0.000 sec / 0.000 sec
✓	25 19:26:42	select * from movies where release_year >2000 LIMIT 0, 10	10 row(s) returned	0.015 sec / 0.000 sec

---

Screenshot 2

SQL-DAY-6* ×

Limit to 10 rows

```
13         country VARCHAR(100),
14         created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
15    );
16 •  desc movies;
17 •  select * from movies;
18 •  select * from movies limit 10;
19 •  select distinct genre from movies;
20 •  select * from movies where title like 'John Wick';
21 •  select country from movies where country is not null order by country;
22
23 •  select * from movies where release_year >2000;
24 •  select * from movies where release_year <2000;
25
26 •  SELECT genre, COUNT(*) as movie_count FROM movies GROUP BY genre;
27 •  SELECT genre, AVG(rating) as avg_rating FROM movies GROUP BY genre;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

genre	movie_count
Action	5
Drama	5
Comedy	5
Sci-Fi	5
Horror	5
Animation	5

Result 20 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✗	27 19:29:09	select * from movies where country like USA LIMIT 0, 10	Error Code: 1054. Unknown column 'USA' in 'where clause'	0.000 sec
✓	28 19:29:43	SELECT genre, COUNT(*) as movie_count FROM movies GROUP BY genre LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec
✓	29 19:29:43	SELECT genre, AVG(rating) as avg_rating FROM movies GROUP BY genre LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec
✓	30 19:29:43	SELECT director, COUNT(*) as movies_directed FROM movies GROUP BY director HAVING COUNT(*) > 1 LIMI...	2 row(s) returned	0.000 sec / 0.000 sec
✓	31 19:29:50	SELECT genre, COUNT(*) as movie_count FROM movies GROUP BY genre LIMIT 0, 10	6 row(s) returned	0.000 sec / 0.000 sec