

SQL Database Essentials (46337)

# Creating a Database

by Shanice Lewis

Local Instance 3306 MySQL Model

Administration Schemas exercise\_orm SQL File 21 SQL File 27 Sublime Nibbles SQL File 13

Context Help Snippets

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

SCHEMAS

- Q Home Schema
- CREATE TABLE users;
- 1 ID INTEGER NOT NULL AUTO\_INCREMENT PRIMARY KEY;
- 2 first\_name TEXT;
- 3 last\_name TEXT;
- 4 email\_address VARCHAR(158);
- 5
- 6 INSERT INTO users VALUES (1,"John", "Doe", "john@doe.com");
- 7
- 8 SELECT \* FROM users;
- 9
- 10

Result Grid Filter Rows Export/Import Result Grid

ID	first_name	last_name	email_address
1	John	Doe	john@doe.com

users 2

Action Output

Time	Action	Response	Duration / Fetch Time	
129	18:51:07	INSERT INTO users VALUES (1,"John", "Doe", "john@doe.com")	1 row(s) affected	0.0010 sec
130	18:52:09	SELECT * FROM users LIMIT 0, 1000	1 row(s) returned	0.0018 sec / 0.0001..
131	18:52:27	INSERT INTO users VALUES (1,"John", "Doe", "john@doe.com")	Error Code: 1062: Duplicate entry '1' for key 'users_...	0.0024 sec
132	18:52:35	SELECT * FROM users LIMIT 0, 1000	1 row(s) returned	0.00033 sec / 0.0000..

Query Completed

the table, data put, displaying rows and output

MySQL Workbench

Untitled - MySQL Workbench

Mon Sep 19 7:17 PM

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SCHEMAS

Q practice\_one

```
1 CREATE TABLE users(
2     id INTEGER NOT NULL AUTO_INCREMENT
3     PRIMARY KEY,
4     first_name TEXT,
5     last_name TEXT,
6     email_address VARCHAR(150));
7
8 INSERT INTO users VALUES (1,"John", "Doe", "johndoe.com");
9
10 SELECT * FROM users;
11
12 INSERT INTO users VALUES (2,"Kathy", "Jones", "kathy@jones.com");
13
14 INSERT INTO users VALUES (3,"Kirby", "Longmore", "kirby@longmore.com");
15
16 SELECT * FROM users;
```

Result Grid

	id	first_name	last_name	email_address
1	1	John	Doe	johndoe.com
2	2	Kathy	Jones	kathy@jones.com
3	3	Kirby	Longmore	kirby@longmore.com

Action Output

Time	Action	Response	Duration / Fetch Time	
132	19:16:35	SELECT * FROM users LIMIT 0, 1000	3 rows(s) returned	0.00033 sec / 0.000...
133	19:16:39	INSERT INTO users VALUES (2,"Kathy", "Jones", "kathy@jones.com")	1 row(s) affected	0.011 sec
134	19:15:59	INSERT INTO users VALUES (3,"Kirby", "Longmore", "kirby@longmore.com")	1 row(s) affected	0.0023 sec
135	19:16:10	SELECT * FROM users LIMIT 0, 1000	3 rows(s) returned	0.00063 sec / 0.000...

Query Completed

Insert 2 more students = 3 total

Local Instance 3306

MySQL Model

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SCHEMAS

Q practice\_one

```
2     id INTEGER NOT NULL AUTO_INCREMENT
3     PRIMARY KEY,
4     first_name TEXT,
5     last_name TEXT,
6     email_address VARCHAR(150));
7
8 INSERT INTO users VALUES (1,"John", "Doe", "johndoe.com");
9
10 SELECT * FROM users;
11
12 INSERT INTO users VALUES (2,"Kathy", "Jones", "kathy@jones.com");
13
14 INSERT INTO users VALUES (3,"Kirby", "Longmore", "kirby@longmore.com");
15
16 INSERT INTO users VALUES (4,"Shanice", "Lewis", "shanice@lewis.com");
17
18 INSERT INTO users VALUES (5,"Joel", "Polite", "joel@polite.com");
19
20 SELECT * FROM users;
```

Result Grid

	id	first_name	last_name	email_address
1	1	John	Doe	johndoe.com
2	2	Kathy	Jones	kathy@jones.com
3	3	Kirby	Longmore	kirby@longmore.com
4	4	Shanice	Lewis	shanice@lewis.com
5	5	Joel	Polite	joel@polite.com

Action Output

Time	Action	Response	Duration / Fetch Time	
136	19:16:10	SELECT * FROM users LIMIT 0, 1000	3 rows(s) returned	0.00063 sec / 0.000...
137	19:31:33	INSERT INTO users VALUES (4,"Shanice", "Lewis", "shanice@lewis.com")	1 row(s) affected	0.0003 sec
138	19:31:33	INSERT INTO users VALUES (5,"Joel", "Polite", "joel@polite.com")	1 row(s) affected	0.0029 sec
139	19:32:08	SELECT * FROM users LIMIT 0, 1000	5 rows(s) returned	0.00045 sec / 0.000...

Query Completed

Insert 2 more students = 5 total

# Experience Summary

The SQL Database Essentials (46337) Course for Fall 2022 at Austin Community College, was very beneficial. I was able to learn and practice SQL's programming language and apply what I've learned- in practicing. There are many resources available to help you as a student be able to know and use SQL. Professor Allison Ramsey is joy to work with. With the course being completely independent, she is an excellent coach. She provides videos, sites, screenshots, and even a book to read that will help you learn all about SQL.

mySQL's platform was easy to use and most importantly free of charge. Over a six week period I was able to use the program in its entirety, allowing myself to be the captain of my own boat. Learning Excel prior to this was a huge help in understand the operations and the syntax of the program. Data Analytics has always been an enjoyment of mine, and now knowing SQL has put me in the top category with other data analyst worldwide. I believe that my time at ACC has been a huge catapult for my future career. I am excited for the next steps!