

SQL Database Essentials (46337)

# Creating a Database

by Shanice Lewis

Screenshot of MySQL Workbench showing a database schema and query results.

**Schema:** exercise\_db

**Table:** users

```
CREATE TABLE users (
    id INTEGER NOT NULL AUTO_INCREMENT
    PRIMARY KEY,
    first_name TEXT,
    last_name TEXT,
    email_address VARCHAR(158)
);

INSERT INTO users VALUES (1,"John", "Doe", "john@doe.com");
SELECT * FROM users;
```

**Result Grid:**

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

**Action Output:**

Time	Action	Response	Duration / Fetch Time
129	18:51:07	INSERT INTO users VALUES (1,'John','Doe','ja... 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','ja... 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...

the table, data put, displaying rows and output

MySQLWorkbench File Edit View Query Database Server Tools Scripting Help

Untitled - MySQL Workbench

Administration Schemas

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



Object Info Session

Schema: practice\_one

Action Output

Time	Action	Response	Duration / Fetch Time
132	19:15:35	SELECT * FROM users LIMIT 0, 1000	1 row(s) returned 0.00033 sec / 0.000...
133	19:15:50	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 row(s) returned 0.00063 sec / 0.000...

Query Completed

Insert 2 more students = 3 total

Local Instance 3306 MySQL Model

Administration Schemas

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



Object Info Session

Schema: practice\_one

Action Output

Time	Action	Response	Duration / Fetch Time
136	19:16:10	SELECT * FROM users LIMIT 0, 1000	3 row(s) returned 0.00063 sec / 0.000...
137	19:31:33	INSERT INTO users VALUES (4,"Shanice", "Lewis", "shanice@lewi...	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 row(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 understanding 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!