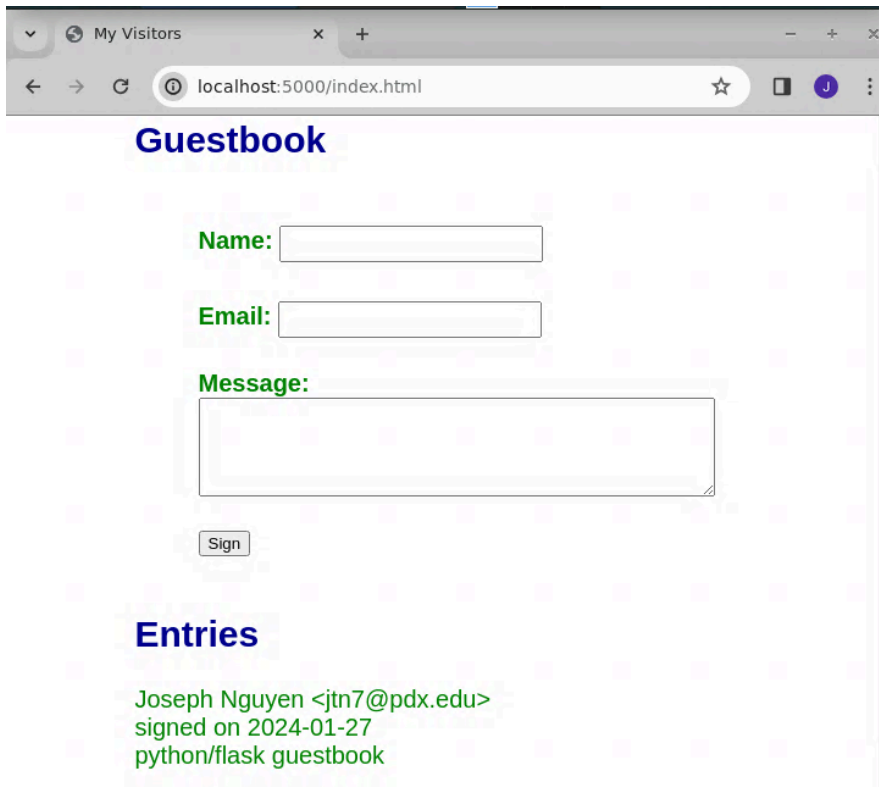
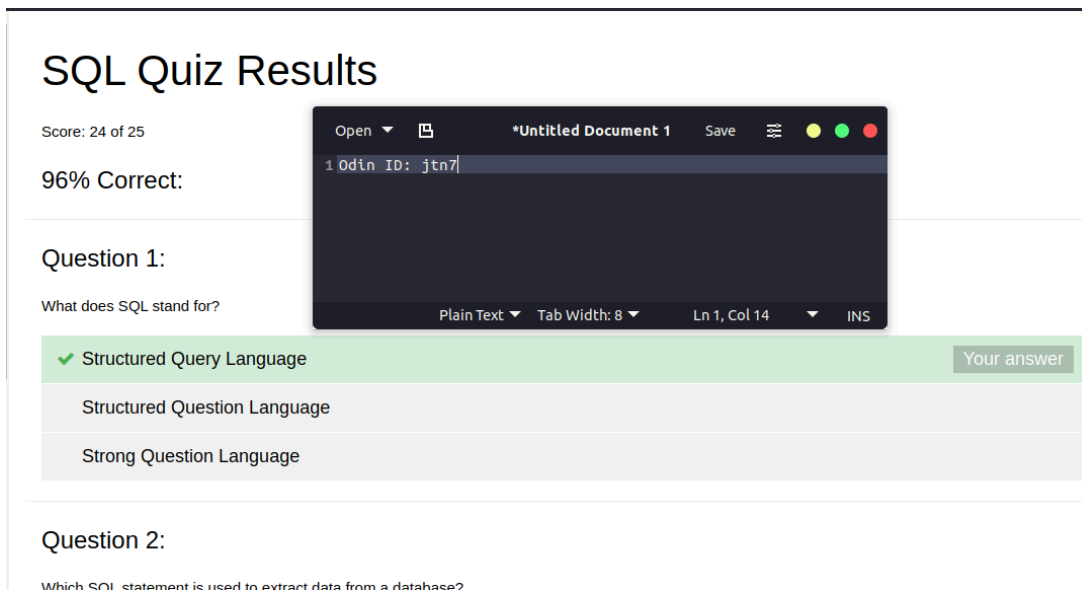


Add an entry that includes your PSU e-mail address in it and the message "python/flask guestbook". Take a screenshot of the resulting page for your lab notebook.



The screenshot shows a web browser window with the address bar displaying "localhost:5000/index.html". The page title is "My Visitors". The main content area has a heading "Guestbook" in blue. Below it, there is a form with three fields: "Name:" with a text input, "Email:" with a text input, and "Message:" with a larger text area. A "Sign" button is located below the message field. Below the form, there is a heading "Entries" in blue. Under "Entries", there is a single entry: "Joseph Nguyen <jtn7@pdx.edu> signed on 2024-01-27 python/flask guestbook".

Take the quiz and include a screenshot with your OdinID on it of the "Check your answers" page at the end of the quiz.



The screenshot shows a web page titled "SQL Quiz Results". The score is "Score: 24 of 25" and "96% Correct:". Below this, "Question 1:" is displayed with the question "What does SQL stand for?". There are three answer options: "Structured Query Language" (marked with a green checkmark and labeled "Your answer"), "Structured Question Language", and "Strong Question Language". Below this, "Question 2:" is displayed with the question "Which SQL statement is used to extract data from a database?".

Score: 24 of 25

96% Correct:

Question 1:

What does SQL stand for?

✓ Structured Query Language Your answer

Structured Question Language

Strong Question Language

Question 2:

Which SQL statement is used to extract data from a database?

What are the names of the tables that are created?

Accommodation, Rating, and Recommendation

What are the primary keys of each table?

Accommodation: ID

Rating: (accId, userId)

Recommendation: (userId, accId)

What data (e.g. columns) does the Accommodation table hold?

id, title, location, price, rooms, rating, type

Assuming the column data is ordered as in the DDL, list the attributes and their values for each accommodation in Dublin.

id: 6 title: Pleasant Quiet Place location: Dublin price: 35 rooms: 5 rating: 4.3 type: house	id: 77 title: Great Private Country House location: Dublin price: 1150 rooms: 10 rating: 2.4 type: mansion
---	--

Run queries for accommodations at two price ranges of your choice and two types of your choice. Take screenshots of the output of each query for your lab notebook.

```
mysql> SELECT * FROM Accommodation WHERE price BETWEEN 1000 AND 1200;
+-----+-----+-----+-----+-----+-----+-----+
| id | title                | location | price | rooms | rating | type |
+-----+-----+-----+-----+-----+-----+-----+
| 14 | Colossal Peaceful Palace | Melbourne | 1200 | 21 | 1.5 | castle |
| 45 | Vast Quiet Chateau      | Tokyo    | 1100 | 19 | 2.3 | castle |
| 70 | Great Calm Sately House | Paris    | 1050 | 10 | 2.2 | mansion |
| 77 | Great Private Country House | Dublin  | 1150 | 10 | 2.4 | mansion |
| 79 | Large Private Manor     | Vancouver | 1050 | 10 | 4.8 | mansion |
+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM Accommodation WHERE price BETWEEN 1 AND 100;
```

id	title	location	price	rooms	rating	type
1	Comfy Quiet Chalet	Vancouver	50	3	3.1	cottage
11	Homy Quiet Shanty	Melbourne	50	1	2.8	cottage
12	Beautiful Peaceful Villa	Seattle	90	2	2.1	house
16	Large Calm House	Melbourne	45	3	4.1	house
18	Big Peaceful Hut	Melbourne	60	2	2.4	cottage
2	Cozy Calm Hut	London	65	2	4.1	cottage
21	Big Peaceful Cabin	Seattle	80	2	4.9	cottage
22	Pleasant Peaceful House	Auckland	50	5	3.5	house
23	Homy Calm House	Paris	70	2	2	cottage
24	Nice Private Cottage	San Francisco	40	2	1.1	cottage
25	Nice Calm Chalet	Seattle	55	2	4.5	cottage
3	Agreeable Calm Place	London	65	4	4.8	house
33	Pleasant Calm Place	Tokyo	30	2	4.8	house
36	Comfy Private Shanty	NYC	80	1	3.7	cottage
38	Big Private House	San Francisco	70	4	2.9	house
39	Beautiful Calm Villa	Vancouver	50	3	3.5	house
43	Nice Private Hut	Melbourne	60	3	2.8	cottage
49	Big Private Villa	NYC	90	2	4.8	house
5	Homy Quiet Shack	Paris	50	1	1.1	cottage
51	Nice Quiet Hut	Auckland	70	3	1.4	cottage
53	Comfy Private Shanty	Buenos Aires	40	2	4.6	cottage
55	Cozy Peaceful Hut	London	75	2	1.7	cottage
58	Nice Calm Cottage	Berlin	40	3	3.9	cottage
59	Large Peaceful Place	Tokyo	55	5	1.2	house
6	Pleasant Quiet Place	Dublin	35	5	4.3	house
61	Large Calm Place	NYC	60	2	1.3	house
62	Comfy Calm Cabin	Buenos Aires	65	2	4.3	cottage
65	Comfy Private Chalet	NYC	45	2	1	cottage
66	Beautiful Private Villa	London	80	2	2.4	house
69	Homy Quiet House	NYC	65	1	3.1	cottage
71	Cozy Calm Hut	San Francisco	55	2	3.8	cottage
72	Beautiful Calm Place	Paris	80	4	2.1	house
73	Nice Peaceful Cabin	London	60	1	3.4	cottage
75	Large Private Place	Berlin	50	4	3.6	house
76	Pleasant Calm Villa	Berlin	30	2	2.4	house
80	Big Quiet Cabin	San Francisco	40	3	4.3	cottage
81	Homy Quiet Shack	Seattle	70	3	2.2	cottage
82	Cozy Peaceful Cabin	San Francisco	75	1	1.6	cottage
83	Comfy Calm Shack	San Francisco	40	3	3.4	cottage
85	Nice Private Shack	Auckland	55	1	4.9	cottage
86	Large Quiet House	London	100	4	4	house
89	Nice Private House	Seattle	45	2	3.2	cottage
90	Big Quiet House	Seattle	35	5	3.2	house
92	Cozy Quiet Bungalow	San Francisco	85	3	3.5	cottage
97	Cozy Quiet Chalet	Auckland	75	1	2.3	cottage
99	Pleasant Quiet Place	NYC	80	4	3.2	house

```
46 rows in set (0.01 sec)
```

ERROR 1054 (42S22): Unknown column 'castle' in 'where clause'

```
mysql> SELECT * FROM Accommodation WHERE type='castle';
```

id	title	location	price	rooms	rating	type
13	Enormous Peaceful Fortress	Melbourne	3300	12	2.3	castle
14	Colossal Peaceful Palace	Melbourne	1200	21	1.5	castle
15	Vast Private Fort	London	1300	18	2.6	castle
19	Giant Quiet Castle	Paris	4500	18	1.6	castle
26	Enormous Peaceful Palace	Paris	1300	18	1.1	castle
27	Enormous Calm Castle	Berlin	1500	12	2.3	castle
31	Colossal Private Castle	Buenos Aires	1400	15	3.3	castle
34	Vast Private Fort	NYC	4400	21	1.7	castle
35	Colossal Quiet Chateau	NYC	2300	14	4.6	castle
37	Enormous Quiet Chateau	Berlin	2000	20	2.7	castle
4	Colossal Quiet Chateau	Paris	3400	16	2.7	castle
40	Colossal Private Castle	Seattle	2900	24	1.5	castle
44	Big Peaceful Chateau	Melbourne	3400	21	3.2	castle
45	Vast Quiet Chateau	Tokyo	1100	19	2.3	castle
46	Colossal Private Castle	San Francisco	1900	15	3.7	castle
48	Big Calm Fort	Vancouver	4500	22	4	castle
50	Enormous Calm Fort	Seattle	2300	22	4.5	castle
52	Giant Private Palace	Melbourne	1800	23	2.7	castle
54	Enormous Quiet Chateau	Melbourne	4400	20	1.7	castle
60	Vast Peaceful Palace	Seattle	1600	19	1.1	castle
63	Big Private Chateau	Buenos Aires	2400	23	4.5	castle
64	Enormous Peaceful Fort	Berlin	3500	13	1.8	castle
67	Giant Calm Chateau	Vancouver	2300	13	3.2	castle
68	Giant Peaceful Fort	Paris	1800	21	1.1	castle
7	Vast Peaceful Fortress	Seattle	3200	24	1.9	castle
74	Giant Calm Fort	Melbourne	2400	12	2.3	castle
78	Giant Private Fortress	Tokyo	2100	17	2.5	castle
8	Giant Quiet Fortress	San Francisco	3400	12	4.1	castle
88	Colossal Quiet Palace	Seattle	4100	16	3.6	castle
9	Giant Peaceful Palace	London	1500	20	3.5	castle
93	Giant Quiet Chateau	Vancouver	1800	16	3.9	castle
94	Giant Peaceful Castle	Auckland	2900	25	3.3	castle
98	Big Private Castle	Paris	2000	23	4.6	castle

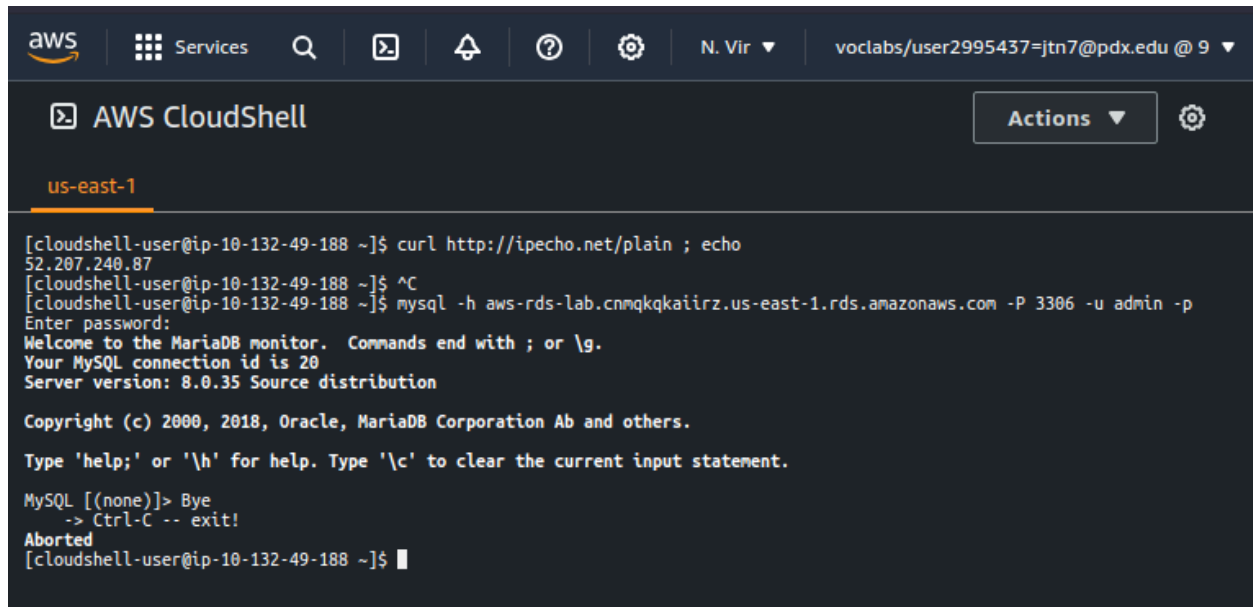
33 rows in set (0.01 sec)

```
mysql> SELECT * FROM Accommodation WHERE type='cottage';
```

id	title	location	price	rooms	rating	type
1	Comfy Quiet Chalet	Vancouver	50	3	3.1	cottage
11	Homy Quiet Shanty	Melbourne	50	1	2.8	cottage
18	Big Peaceful Hut	Melbourne	60	2	2.4	cottage
2	Cozy Calm Hut	London	65	2	4.1	cottage
21	Big Peaceful Cabin	Seattle	80	2	4.9	cottage
23	Homy Calm House	Paris	70	2	2	cottage
24	Nice Private Cottage	San Francisco	40	2	1.1	cottage
25	Nice Calm Chalet	Seattle	55	2	4.5	cottage
36	Comfy Private Shanty	NYC	80	1	3.7	cottage
43	Nice Private Hut	Melbourne	60	3	2.8	cottage
5	Homy Quiet Shack	Paris	50	1	1.1	cottage
51	Nice Quiet Hut	Auckland	70	3	1.4	cottage
53	Comfy Private Shanty	Buenos Aires	40	2	4.6	cottage
55	Cozy Peaceful Hut	London	75	2	1.7	cottage
58	Nice Calm Cottage	Berlin	40	3	3.9	cottage
62	Comfy Calm Cabin	Buenos Aires	65	2	4.3	cottage
65	Comfy Private Chalet	NYC	45	2	1	cottage
69	Homy Quiet House	NYC	65	1	3.1	cottage
71	Cozy Calm Hut	San Francisco	55	2	3.8	cottage
73	Nice Peaceful Cabin	London	60	1	3.4	cottage
80	Big Quiet Cabin	San Francisco	40	3	4.3	cottage
81	Homy Quiet Shack	Seattle	70	3	2.2	cottage
82	Cozy Peaceful Cabin	San Francisco	75	1	1.6	cottage
83	Comfy Calm Shack	San Francisco	40	3	3.4	cottage
85	Nice Private Shack	Auckland	55	1	4.9	cottage
89	Nice Private House	Seattle	45	2	3.2	cottage
92	Cozy Quiet Bungalow	San Francisco	85	3	3.5	cottage
97	Cozy Quiet Chalet	Auckland	75	1	2.3	cottage

28 rows in set (0.00 sec)

Show a screenshot of the successful connection similar to below that includes your OdinID



```
aws | Services | [Icons] | N. Vir | voclabs/user2995437=jtn7@pdx.edu @ 9
```

AWS CloudShell Actions [Settings]

us-east-1

```
[cloudshell-user@ip-10-132-49-188 ~]$ curl http://ipecho.net/plain ; echo
52.207.240.87
[cloudshell-user@ip-10-132-49-188 ~]$ ^C
[cloudshell-user@ip-10-132-49-188 ~]$ mysql -h aws-rds-lab.cnmqkqkairz.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 20
Server version: 8.0.35 Source distribution

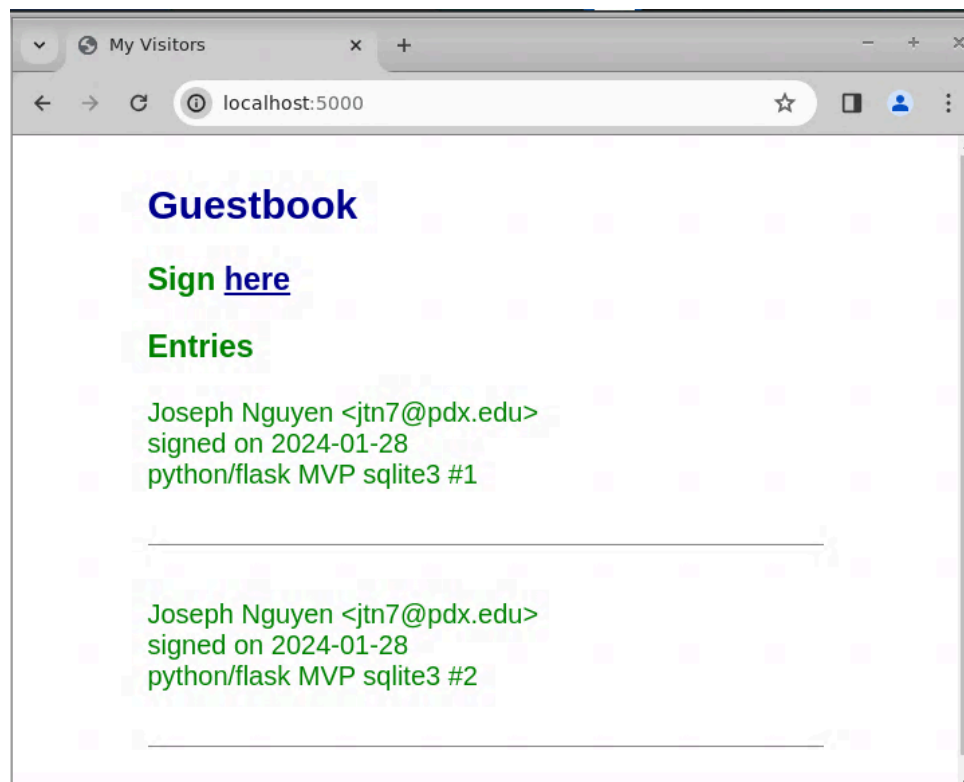
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> Bye
-> Ctrl-C -- exit!
Aborted
[cloudshell-user@ip-10-132-49-188 ~]$
```

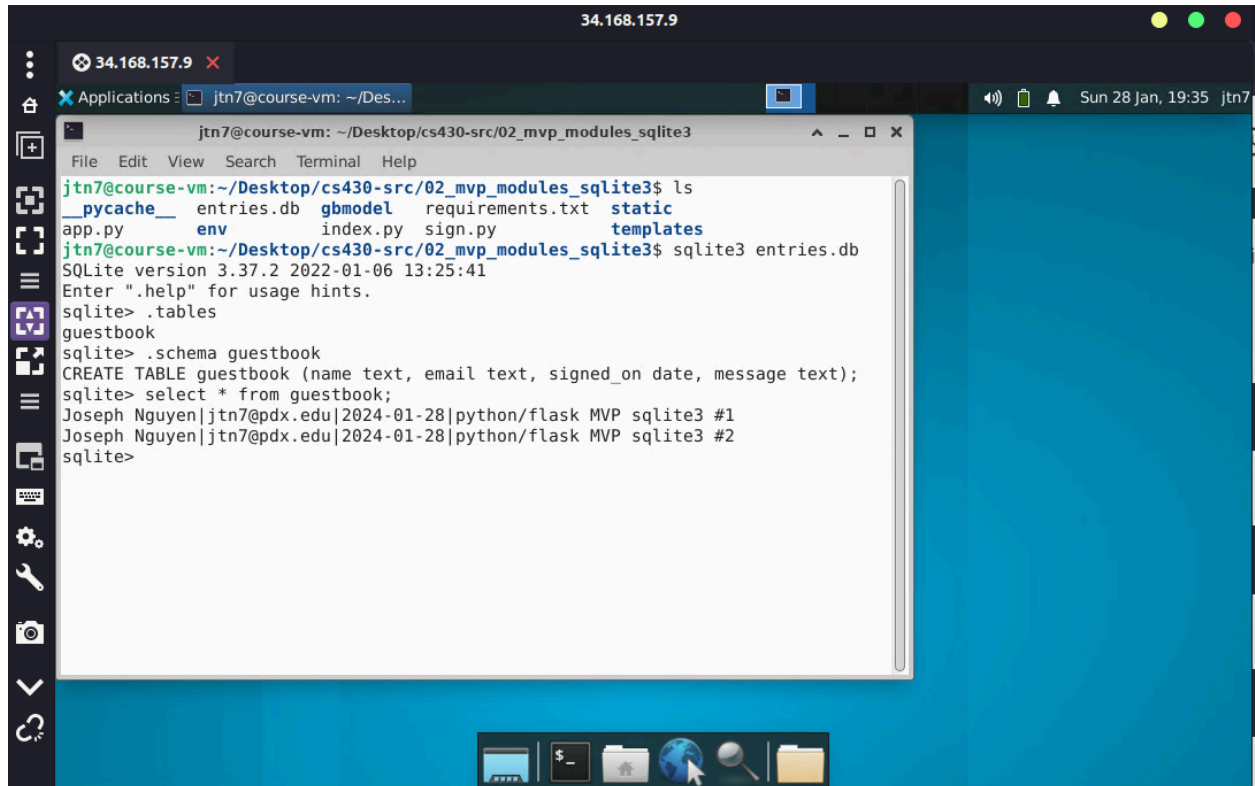
Start the server again. The original message should still appear as it has been read from the entries.db file. Add another entry using your PSU e-mail address and the message "python/flask MVP sqlite3 #2".

Take a screenshot of the resulting page for your lab notebook



Then, within the sqlite client, perform the following commands and take a screenshot of their output to include in your lab notebook.

- List the tables in the database and note the table name
- Then, output the schema for the table via its name
- Finally, perform a SQL query to dump out all rows in the table



```
jtn7@course-vm: ~/Desktop/cs430-src/02_mvp_modules_sqlite3
jtn7@course-vm:~/Desktop/cs430-src/02_mvp_modules_sqlite3$ ls
__pycache__  entries.db  gbmodel    requirements.txt  static
app.py       env        index.py   sign.py          templates
jtn7@course-vm:~/Desktop/cs430-src/02_mvp_modules_sqlite3$ sqlite3 entries.db
SQLite version 3.37.2 2022-01-06 13:25:41
Enter ".help" for usage hints.
sqlite> .tables
guestbook
sqlite> .schema guestbook
CREATE TABLE guestbook (name text, email text, signed_on date, message text);
sqlite> select * from guestbook;
Joseph Nguyen|jtn7@pdx.edu|2024-01-28|python/flask MVP sqlite3 #1
Joseph Nguyen|jtn7@pdx.edu|2024-01-28|python/flask MVP sqlite3 #2
sqlite>
```