

03.1: Python Flask Guestbook	1
Running the code	1
03.2ag: SQL	2
SQL quiz	2
GCP Cloud SQL	3
Cloud SQL from Cloud Shell	4
RDS test instance	6
Show a screenshot of the successful connection similar to below that includes your OdinID.	6
03.3: sqlite3 Guestbook	6
Running the code	6
sqlite3 database	7

03.1: Python Flask Guestbook

Running the code

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.

localhost:5000/index.html

iv... Front-End Resource GitHub public-apis/public-... Search - AnkiWeb

Guestbook

Name:

Email:

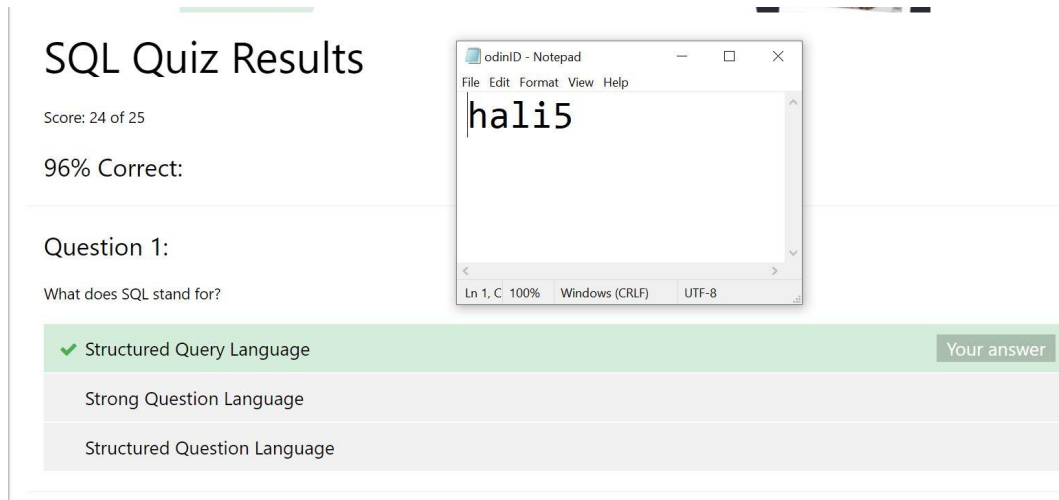
Message:

Entries

Hali Tran <hali5@pdx.edu>
signed on 2023-04-18
python/flask guestbook

03.2ag: SQL

SQL quiz



The screenshot shows a quiz result page for 'SQL Quiz Results' with a score of 24 out of 25 and 96% correctness. The first question asks 'What does SQL stand for?'. The correct answer is 'Structured Query Language', which is highlighted in green. Below it are two incorrect options: 'Strong Question Language' and 'Structured Question Language'. A Notepad window titled 'odinID - Notepad' is overlaid on the right, showing the text 'hali5' in the editor area.

SQL Quiz Results

Score: 24 of 25

96% Correct:

Question 1:

What does SQL stand for?

- ✓ Structured Query Language Your answer
- Strong Question Language
- Structured Question Language

odinID - Notepad

File Edit Format View Help

hali5

Ln 1, C 100% Windows (CRLF) UTF-8

GCP Cloud SQL

What are the names of the tables that are created?

The names of the tables that are created are Accommodation, Rating, and Recommendation.

What are the primary keys of each table?

Accommodation primary key: id

Rating primary key: userID and accoID

Recommendation primary key: userID and accoID

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

The data that the Accommodation table holds are: id, title, location, price, rooms, rating, and type

Find the accommodations in Dublin.

6,Pleasant Quiet Place,Dublin,35,5,4.3,house

77,Great Private Country House,Dublin,1150,10,2.4,mansion

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

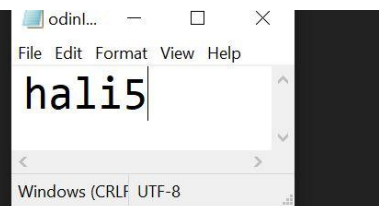
Rating: 2.4

Type: Mansion

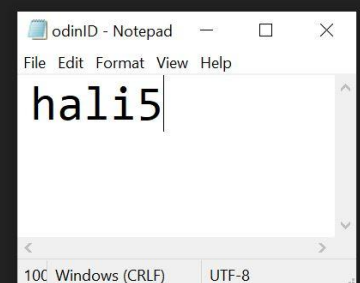
Cloud SQL from Cloud Shell

Take screenshots of the output of each query for your lab notebook.

```
mysql> SELECT * FROM Accommodation WHERE price > 100 AND price < 500;
+-----+-----+-----+-----+-----+-----+-----+
| id | title                | location | price | rooms | rating | type |
+-----+-----+-----+-----+-----+-----+-----+
| 28 | Beautiful Calm Villa | Tokyo   | 110   | 2     | 4.2    | house |
| 30 | Large Peaceful House | Berlin  | 110   | 5     | 2.3    | house |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```



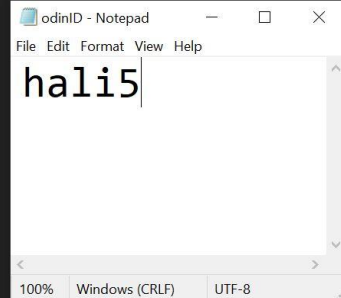
```
mysql> SELECT * FROM Accommodation WHERE type = 'mansion';
+-----+-----+-----+-----+-----+-----+-----+
| id | title                | location | price | rooms | rating | type |
+-----+-----+-----+-----+-----+-----+-----+
| 10 | Sizable Calm Country House | Auckland | 650   | 9     | 4.9    | mansion |
| 17 | Large Calm Sately House   | NYC      | 850   | 9     | 1.2    | mansion |
| 20 | Big Private Hall          | Buenos Aires | 650   | 12    | 1.2    | mansion |
| 29 | Big Quiet Manor           | San Francisco | 650   | 12    | 4.3    | mansion |
| 32 | Immense Private Hall      | Seattle   | 850   | 12    | 1      | mansion |
| 41 | Big Calm Manor            | Seattle   | 800   | 11    | 2.7    | mansion |
| 42 | Large Calm Residence      | London    | 900   | 12    | 2.4    | mansion |
| 47 | Sizable Calm Sately House | Seattle   | 900   | 10    | 1.5    | mansion |
| 56 | Sizable Private Residence | London    | 800   | 11    | 3.5    | mansion |
| 57 | Immense Quiet Residence   | Auckland  | 800   | 11    | 3.5    | mansion |
| 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 |
| 84 | Great Peaceful Sately House | Melbourne | 700   | 8     | 3.2    | mansion |
| 87 | Immense Peaceful Hall     | San Francisco | 850   | 12    | 4.4    | mansion |
| 91 | Large Peaceful Hall       | Melbourne | 650   | 10    | 1.9    | mansion |
| 95 | Great Calm Hall           | San Francisco | 800   | 11    | 3.8    | mansion |
| 96 | Immense Private Country House | Tokyo     | 800   | 9     | 3.8    | mansion |
+-----+-----+-----+-----+-----+-----+-----+
18 rows in set (0.01 sec)
```



```
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

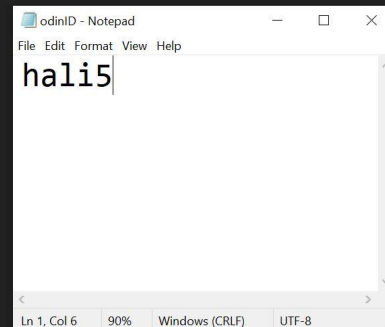
33 rows in set (0.01 sec)



```
mysql> SELECT * FROM Accommodation WHERE price > 500 AND price < 2500;
```

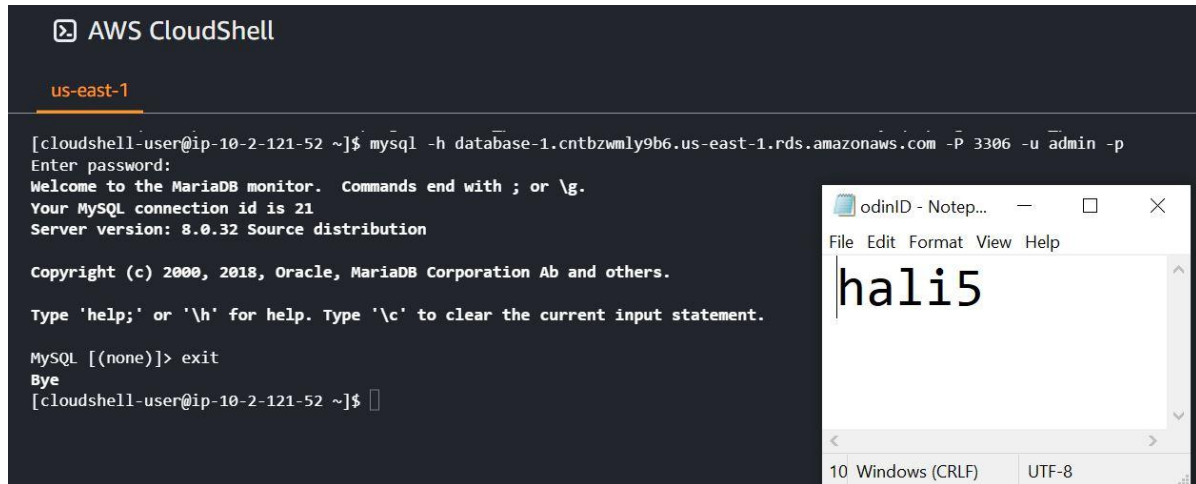
id	title	location	price	rooms	rating	type
10	Sizable Calm Country House	Auckland	650	9	4.9	mansion
14	Colossal Peaceful Palace	Melbourne	1200	21	1.5	castle
15	Vast Private Fort	London	1300	18	2.6	castle
17	Large Calm Sately House	NYC	850	9	1.2	mansion
20	Big Private Hall	Buenos Aires	650	12	1.2	mansion
26	Enormous Peaceful Palace	Paris	1300	18	1.1	castle
27	Enormous Calm Castle	Berlin	1500	12	2.3	castle
29	Big Quiet Manor	San Francisco	650	12	4.3	mansion
31	Colossal Private Castle	Buenos Aires	1400	15	3.3	castle
32	Immense Private Hall	Seattle	850	12	1	mansion
35	Colossal Quiet Chateau	NYC	2300	14	4.6	castle
37	Enormous Quiet Chateau	Berlin	2000	20	2.7	castle
41	Big Calm Manor	Seattle	800	11	2.7	mansion
42	Large Calm Residence	London	900	12	2.4	mansion
45	Vast Quiet Chateau	Tokyo	1100	19	2.3	castle
46	Colossal Private Castle	San Francisco	1900	15	3.7	castle
47	Sizable Calm Sately House	Seattle	900	10	1.5	mansion
50	Enormous Calm Fort	Seattle	2300	22	4.5	castle
52	Giant Private Palace	Melbourne	1800	23	2.7	castle
56	Sizable Private Residence	London	800	11	3.5	mansion
57	Immense Quiet Residence	Auckland	800	11	3.5	mansion
60	Vast Peaceful Palace	Seattle	1600	19	1.1	castle
63	Big Private Chateau	Buenos Aires	2400	23	4.5	castle
67	Giant Calm Chateau	Vancouver	2300	13	3.2	castle
68	Giant Peaceful Fort	Paris	1800	21	1.1	castle
70	Great Calm Sately House	Paris	1050	10	2.2	mansion
74	Giant Calm Fort	Melbourne	2400	12	2.3	castle
77	Great Private Country House	Dublin	1150	10	2.4	mansion
78	Giant Private Fortress	Tokyo	2100	17	2.5	castle
79	Large Private Manor	Vancouver	1050	10	4.8	mansion
84	Great Peaceful Sately House	Melbourne	700	8	3.2	mansion
87	Immense Peaceful Hall	San Francisco	850	12	4.4	mansion
9	Giant Peaceful Palace	London	1500	20	3.5	castle
91	Large Peaceful Hall	Melbourne	650	10	1.9	mansion
93	Giant Quiet Chateau	Vancouver	1800	16	3.9	castle
95	Great Calm Hall	San Francisco	800	11	3.8	mansion
96	Immense Private Country House	Tokyo	800	9	3.8	mansion
98	Big Private Castle	Paris	2000	23	4.6	castle

38 rows in set (0.00 sec)



RDS test instance

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



03.3: sqlite3 Guestbook

Running the code

Take a screenshot of the resulting page for your lab notebook

Guestbook

[Sign here](#)

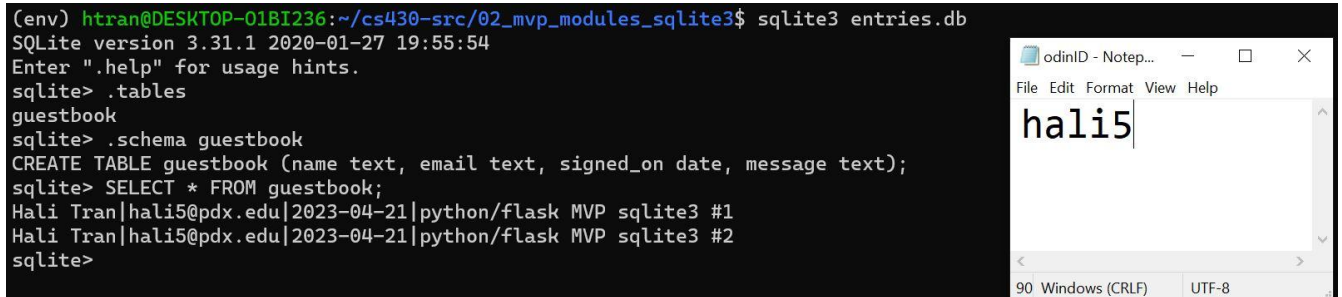
Entries

Hali Tran <hali5@pdx.edu>
signed on 2023-04-21
python/flask MVP sqlite3 #1

Hali Tran <hali5@pdx.edu>
signed on 2023-04-21
python/flask MVP sqlite3 #2

sqlite3 database

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



```
(env) htran@DESKTOP-01BI236:~/cs430-src/02_mvp_modules_sqlite3$ sqlite3 entries.db
SQLite version 3.31.1 2020-01-27 19:55:54
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;
Hali Tran|hali5@pdx.edu|2023-04-21|python/flask MVP sqlite3 #1
Hali Tran|hali5@pdx.edu|2023-04-21|python/flask MVP sqlite3 #2
sqlite>
```

The screenshot shows a terminal window on the left and a Notepad++ window on the right. The terminal window displays the execution of the sqlite3 client, showing the creation of the 'guestbook' table and the retrieval of two entries. The Notepad++ window shows the text 'hali5' being typed into a text area.