

03.1: Python Flask Guestbook

5. 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.

03.2ag: SQL

2. SQL quiz

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

3. GCP Cloud SQL

What are the names of the tables that are created?

What are the primary keys of each table?

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

Find the accommodations in Dublin.

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

7. Cloud SQL from Cloud Shell

Run queries for accommodations at two price levels of your choice and two types of your choice.

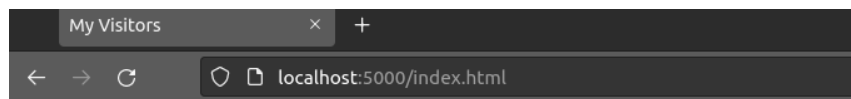
14. RDS test instance

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

03.1: Python Flask Guestbook

5. 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.



Guestbook

Name:

Email:

Message:

Sign

Entries

Mazin <ashfaq@pdx.edu>
signed on 2021-10-17
python/flask guestbook

03.2ag: SQL

2. SQL quiz

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

SQL Quiz Results

Score: 23 of 25

92% Correct:

Question 1:

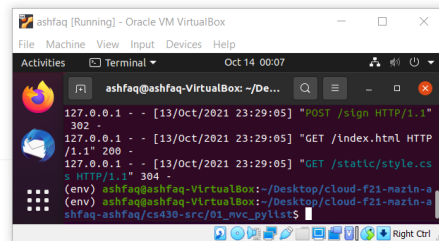
What does SQL stand for?

✓ Structured Query Language

Your answer

Strong Question Language

Structured Question Language



Question 2:

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

3. GCP Cloud SQL

- What are the names of the tables that are created?

Accommodation

Rating

Recommendation

- What are the primary keys of each table?

Accommodation: PRIMARY KEY (ID)

Rating: PRIMARY KEY (accId, userId)

Recommendation: PRIMARY KEY (userId, accId)

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

```
id varchar(255),  
title varchar(255),  
location varchar(255),  
price int,  
rooms int,  
rating float,  
type varchar(255)
```

- 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
```

7. Cloud SQL from Cloud Shell

- Run queries for accommodations at two price levels of your choice and two types of your choice.

```
mysql> select * from Accommodation where price = '50' OR price = '800';
```

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
22	Pleasant Peaceful House	Auckland	50	5	3.5	house
39	Beautiful Calm Villa	Vancouver	50	3	3.5	house
41	Big Calm Manor	Seattle	800	11	2.7	mansion
5	Homy Quiet Shack	Paris	50	1	1.1	cottage
56	Sizable Private Residence	London	800	11	3.5	mansion
57	Immense Quiet Residence	Auckland	800	11	3.5	mansion
75	Large Private Place	Berlin	50	4	3.6	house
95	Great Calm Hall	San Francisco	800	11	3.8	mansion
96	Immense Private Country House	Tokyo	800	9	3.8	mansion

```
11 rows in set (0.00 sec)
```

14. RDS test instance

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

```
aws Services Search for services, fe [Alt+S] voclabs/user1639584=ashfaq@pdx.edu @ 1868-07 N
```

AWS CloudShell

us-east-1

```
Preparing your terminal...
[cloudshell-user@ip-10-1-144-217 ~]$ Try these commands to get started:
aws help or aws <command> help or aws <command> --cli-auto-prompt
[cloudshell-user@ip-10-1-144-217 ~]$ curl http://ipecho.net/plain ; echo
3.236.150.123
[cloudshell-user@ip-10-1-144-217 ~]$ Lost your connection to the environment.
Press any key to reconnect and continue using AWS CloudShell
Connection is lost. Please refresh the browser to re-establish the connection.
Preparing your terminal...
[cloudshell-user@ip-10-1-144-217 ~]$ mysql -h aws-rds-lab.cmffsufauof9.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 15
Server version: 8.0.17 Source distribution

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

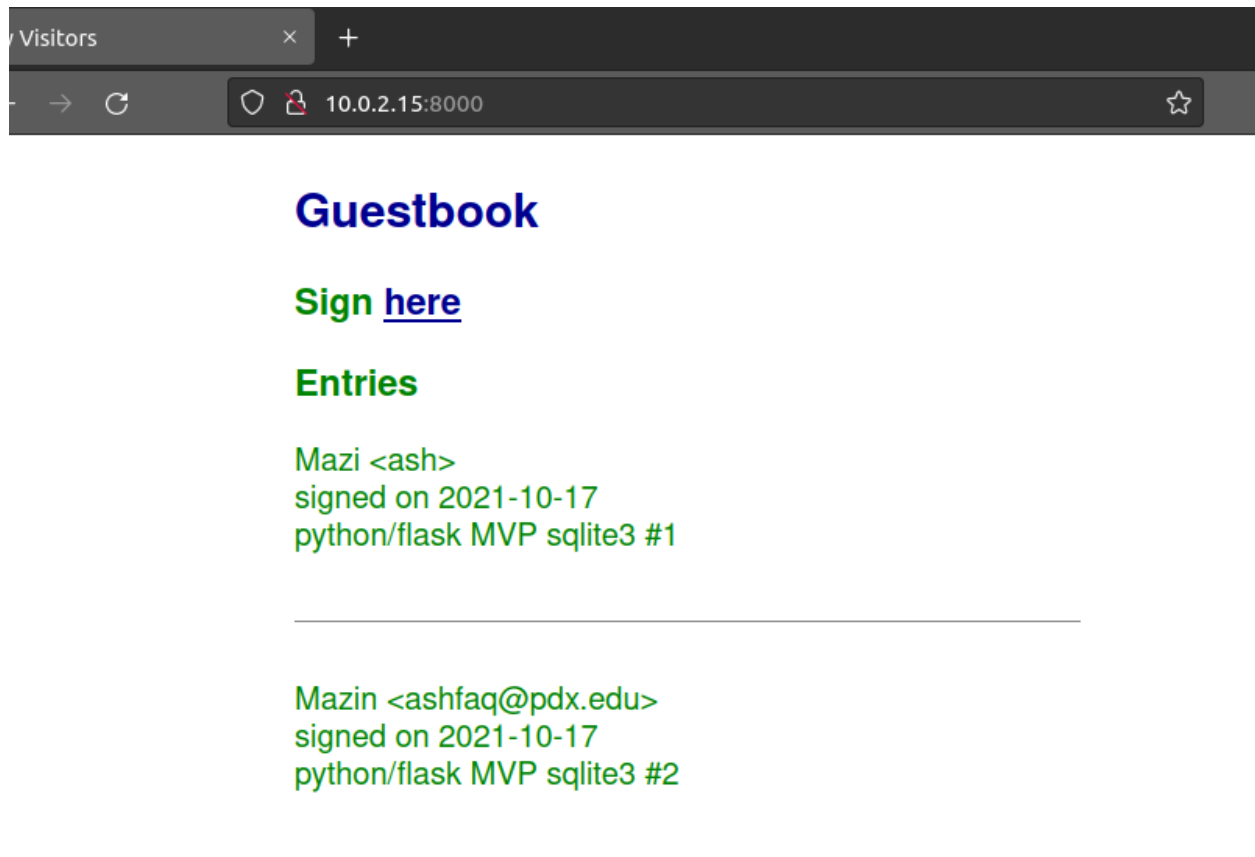
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]>
```

03.3: sqlite3 Guestbook

4. Running the code

- Add another entry using your PSU e-mail address and the message "python/flask MVP sqlite3 #2".



5. sqlite3 database

- 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

```
(env) ashfaq@ashfaq-VirtualBox:~/Desktop/cloud-f21-mazin-ashfaq-ashfaq/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);
sqlite> select * from guestbook;
Mazi|ash|2021-10-17|python/flask MVP sqlite3 #1
Mazin|ashfaq@pdx.edu|2021-10-17|python/flask MVP sqlite3 #2
sqlite> █
```