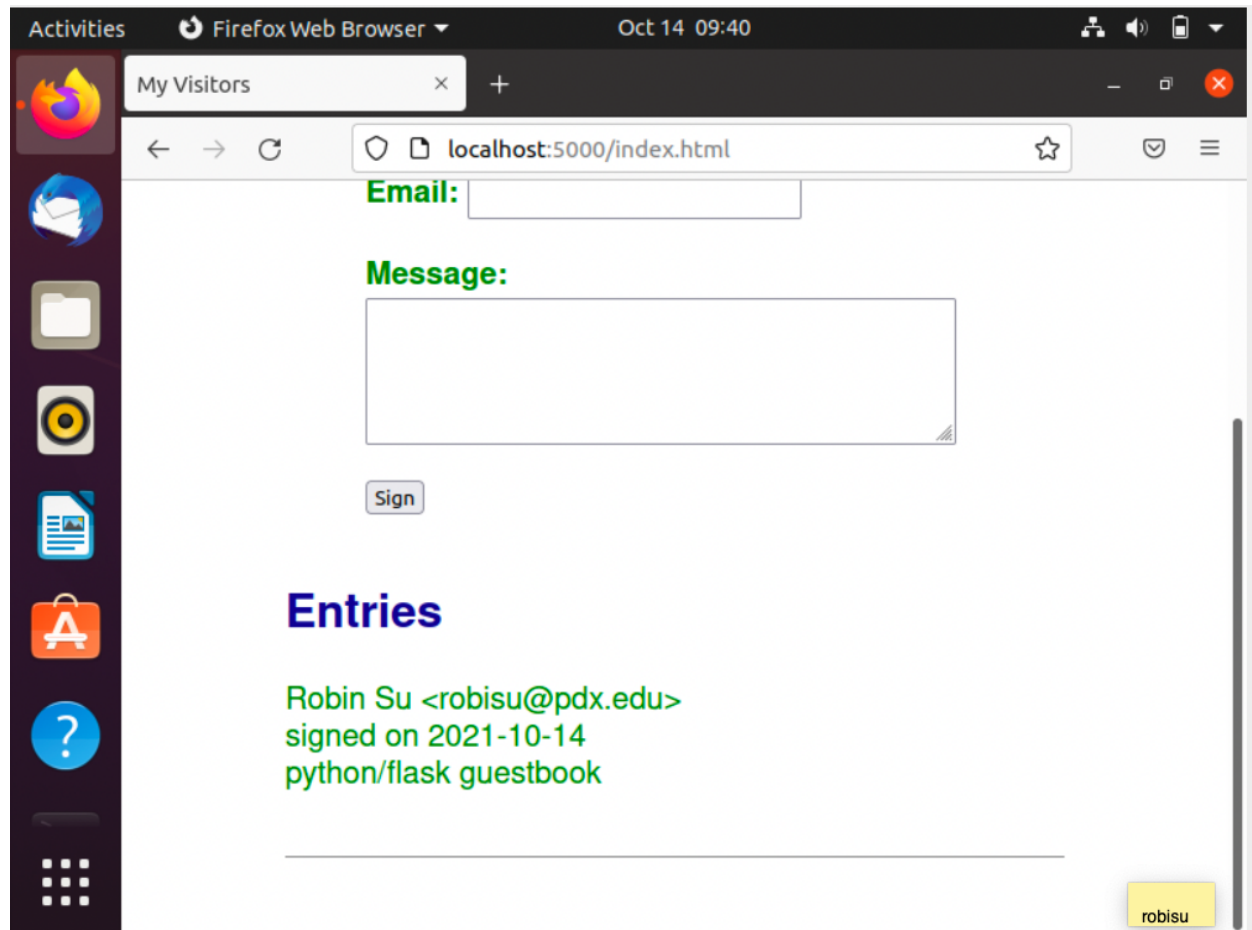


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Flask Guestbook



SQL QUIZ

SQL Quiz Results

Score: 24 of 25

96% Correct:

robisu

Question 16:

With SQL, how can you insert a new record into the "Persons" table?

✗ INSERT ('Jimmy', 'Jackson') INTO Persons

Your answer

INSERT VALUES ('Jimmy', 'Jackson') INTO Persons

INSERT INTO Persons VALUES ('Jimmy', 'Jackson')

Correct answer

robisu

Question 17:

GCP Cloud SQL

Questions

- What are the names of the tables that are created?
 - **Accommodation, Rating, 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, and type**
- Find the accommodations in Dublin.

```
5,Homey Quiet Shack,Paris,30,1,1.1,cottage
6,Pleasant Quiet Place,Dublin,35,5,4.3,house
7,Vast Peaceful Fortress,Seattle,3200,24,1.9,castle
77,Great Private Country House,Dublin,1150,10,2.4,mansion
78,Great Private Fortress,Melbourne,2100,17,2.5,castle
```
- 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'**

Accommodation Queries:

```
mysql> select * from Accommodation where price between 100 and 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
86	Large Quiet House	London	100	4	4	house

3 rows in set (0.00 sec)

robisu

```
mysql> █
```

```
mysql> select * from Accommodation where price between 1000 and 3000;
```

id	title	location	price	rooms	rating	type
14	Colossal Peaceful Palace	Melbourne	1200	21	1.5	castle
15	Vast Private Fort	London	1300	18	2.6	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
35	Colossal Quiet Chateau	NYC	2300	14	4.6	castle
37	Enormous Quiet Chateau	Berlin	2000	20	2.7	castle
40	Colossal Private Castle	Seattle	2900	24	1.5	castle
45	Vast Quiet Chateau	Tokyo	1100	19	2.3	castle
46	Colossal Private Castle	San Francisco	1900	15	3.7	castle
50	Enormous Calm Fort	Seattle	2300	22	4.5	castle
52	Giant Private Palace	Melbourne	1800	23	2.7	castle
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
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

25 rows in set (0.00 sec)

robisu

```
mysql> select * from Accommodation where type='house';
```

id	title	location	price	rooms	rating	type
12	Beautiful Peaceful Villa	Seattle	90	2	2.1	house
16	Large Calm House	Melbourne	45	3	4.1	house
22	Pleasant Peaceful House	Auckland	50	5	3.5	house
28	Beautiful Calm Villa	Tokyo	110	2	4.2	house
3	Agreeable Calm Place	London	65	4	4.8	house
30	Large Peaceful House	Berlin	110	5	2.3	house
33	Pleasant Calm Place	Tokyo	30	2	4.8	house
38	Big Private House	San Francisco	70	4	2.9	house
39	Beautiful Calm Villa	Vancouver	50	3	3.5	house
49	Big Private Villa	NYC	90	2	4.8	house
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
66	Beautiful Private Villa	London	80	2	2.4	house
72	Beautiful Calm Place	Paris	80	4	2.1	house
75	Large Private Place	Berlin	50	4	3.6	house
76	Pleasant Calm Villa	Berlin	30	2	2.4	house
86	Large Quiet House	London	100	4	4	house
90	Big Quiet House	Seattle	35	5	3.2	house
99	Pleasant Quiet Place	NYC	80	4	3.2	house

20 rows in set (0.00 sec)

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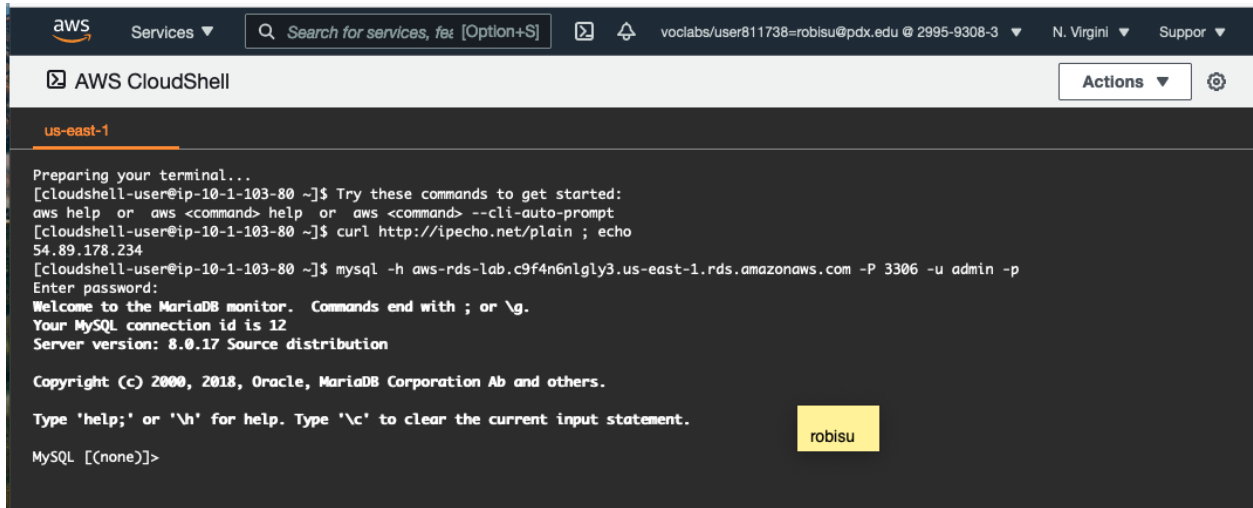
```
mysql> select * from Accommodation where type='mansion';
```

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 (0.00 sec)

robisu

AWS RDS



The screenshot shows the AWS CloudShell interface. The terminal output indicates that the user has successfully connected to a MySQL instance on AWS RDS. The user executed the command `mysql -h aws-rds-lab.c9f4n6nlgly3.us-east-1.rds.amazonaws.com -P 3306 -u admin -p` and entered the password. The terminal displays the MySQL prompt `MySQL [(none)]>`. A yellow sticky note with the text "robisu" is visible on the right side of the terminal window.

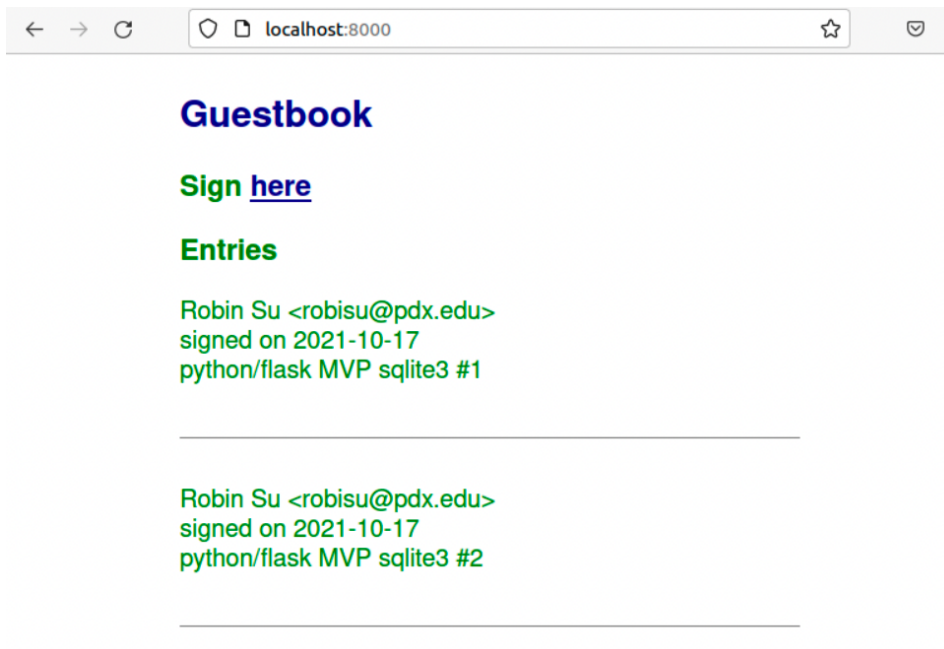
```
Preparing your terminal...
[cloudshell-user@ip-10-1-103-80 ~]$ Try these commands to get started:
aws help or aws <command> help or aws <command> --cli-auto-prompt
[cloudshell-user@ip-10-1-103-80 ~]$ curl http://ipecho.net/plain ; echo
54.89.178.234
[cloudshell-user@ip-10-1-103-80 ~]$ mysql -h aws-rds-lab.c9f4n6nlgly3.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
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)]>
```

sqlite3 Guestbook



sqlite3 CLI

```
Setting up libsqlite3-dev:amd64 (3.31.1-1ubuntu0.2) ...  
(env) robisu@robisu:~/flask_app/cs430-src/02_mvp_modules_sqlite3$ sqlite3 entrie  
s.db  
SQLite version 3.31.1 2020-01-27 19:55:54  
Enter ".help" for usage hints.  
sqlite> .tables  
guestbook  
sqlite> robisu
```

```
guestbook  
sqlite> .schema guestbook  
CREATE TABLE guestbook (name text, email text, signed_on date, message);  
sqlite> robisu
```

```
sqlite> select * from guestbook;  
Robin Su|robisu@pdx.edu|2021-10-17|python/flask MVP sqlite3 #1  
Robin Su|robisu@pdx.edu|2021-10-17|python/flask MVP sqlite3 #2  
sqlite> robisu
```