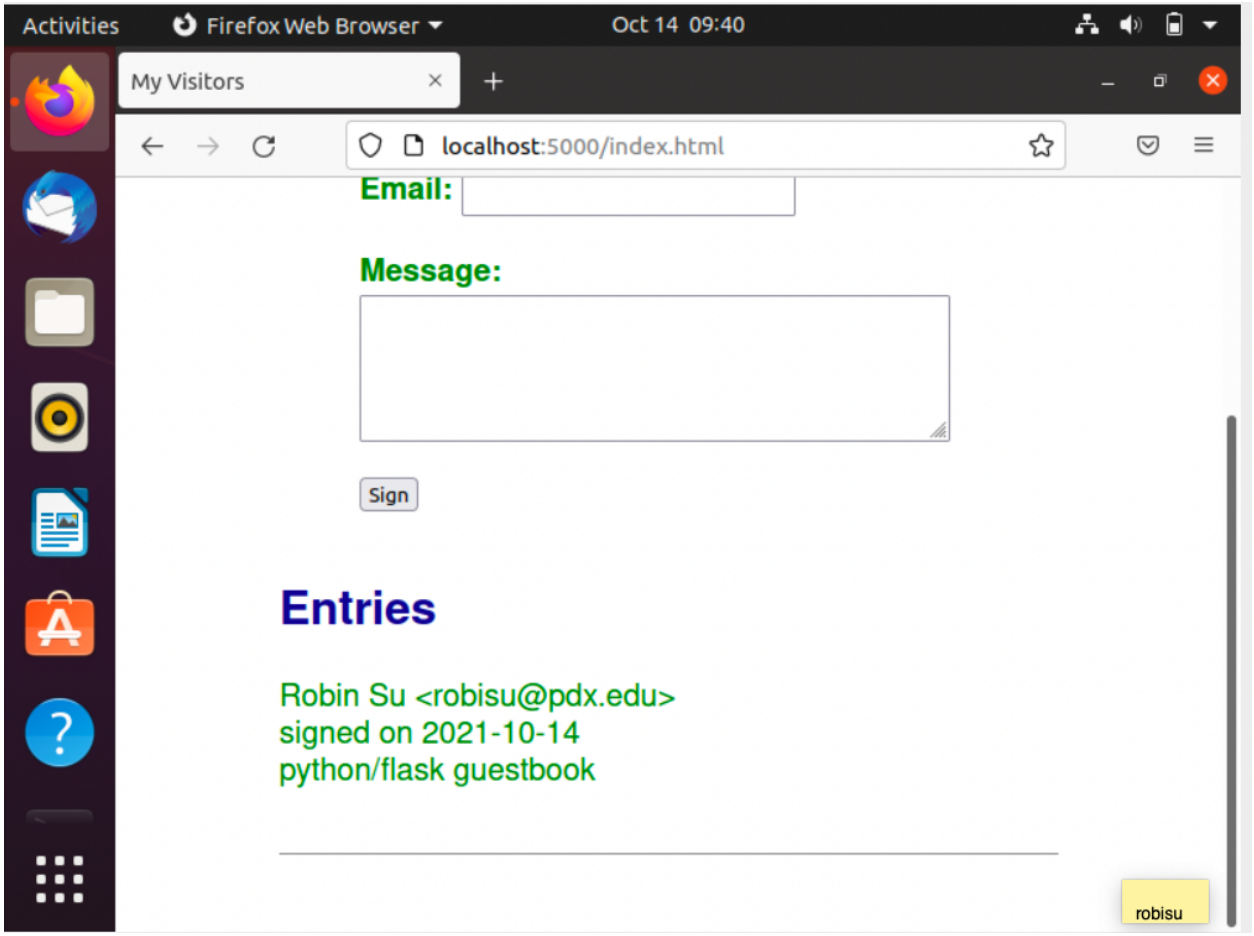
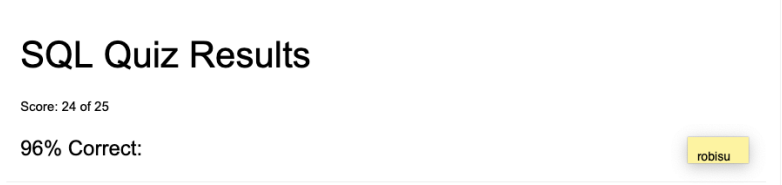
# Flask Guestbook




# SQL QUIZ



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 |

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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 = ‘accoId, UserId’, Recommendation = ‘userId, accoId’**
- *What data (e.g. columns) does the Accommodation table hold?*
  - **id, title, location, price, rooms, rating, and type**

- *Find the accommodations in Dublin.*
  - 6,Pleasant Quiet Place,Dublin,35,5,4.3,house

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

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- *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)

mysql>
```

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```
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)
```

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```
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  | Agreable 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)
```

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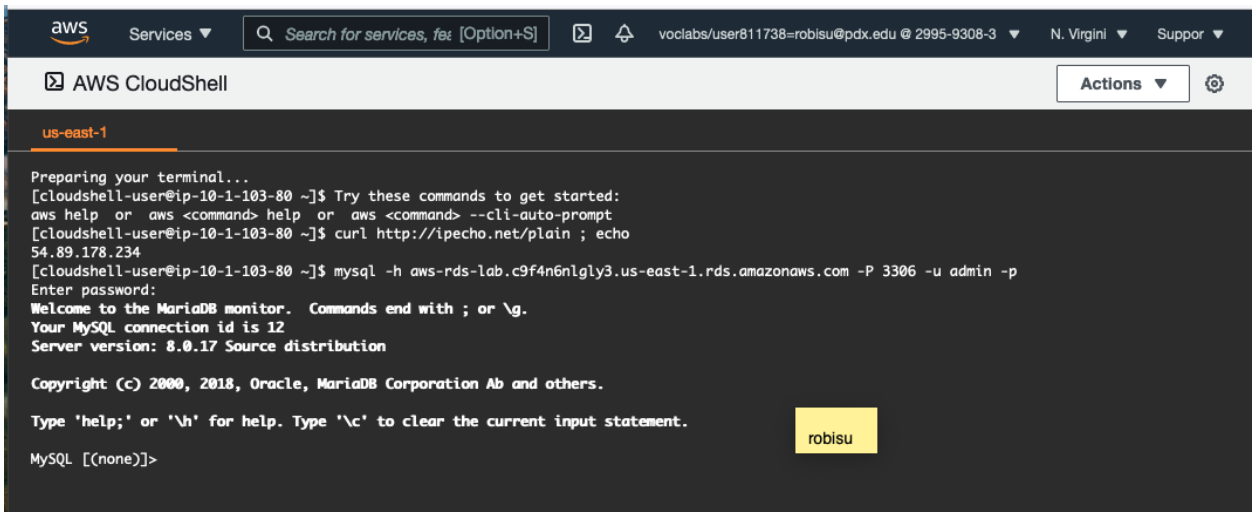
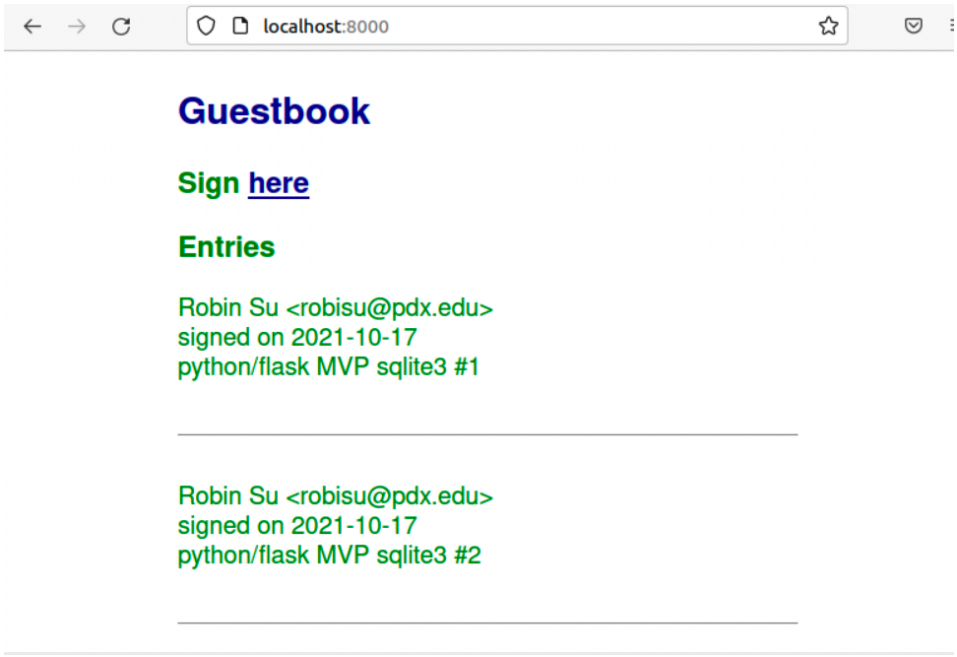
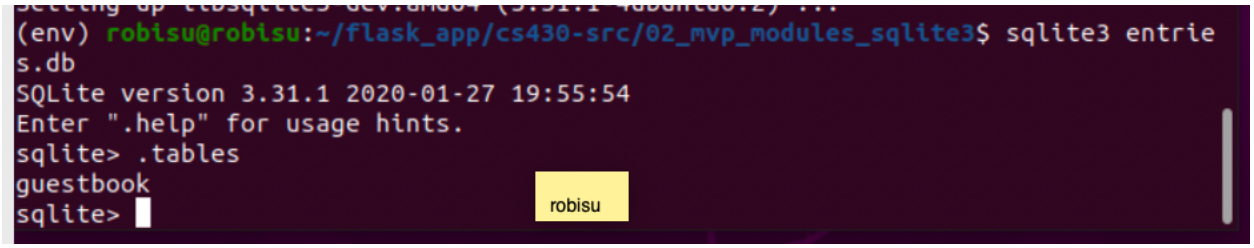
# AWS RDS

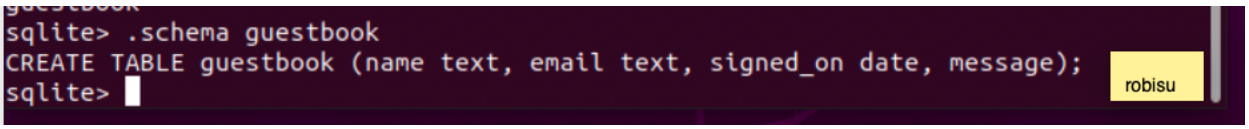



# sqlite3 Guestbook



sqlite3 CLI


(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


sqlite> .schema guestbook
CREATE TABLE guestbook (name text, email text, signed_on date, message);
sqlite>
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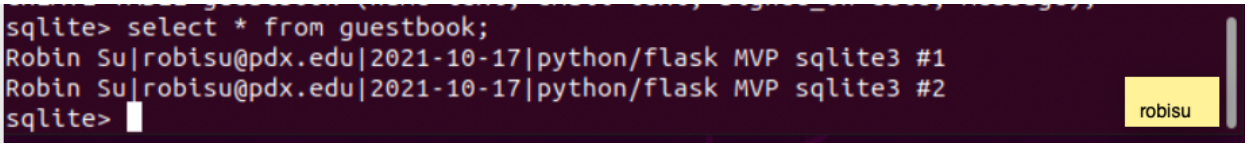
sqlite> select * from guestbook;
Robin Su|robisu@pdx.edu|2021-10-17|python/flask MVP sqlite3 #1
Robin Su|robisu@pdx.edu|2021-10-17|python/flask MVP sqlite3 #2
sqlite>
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