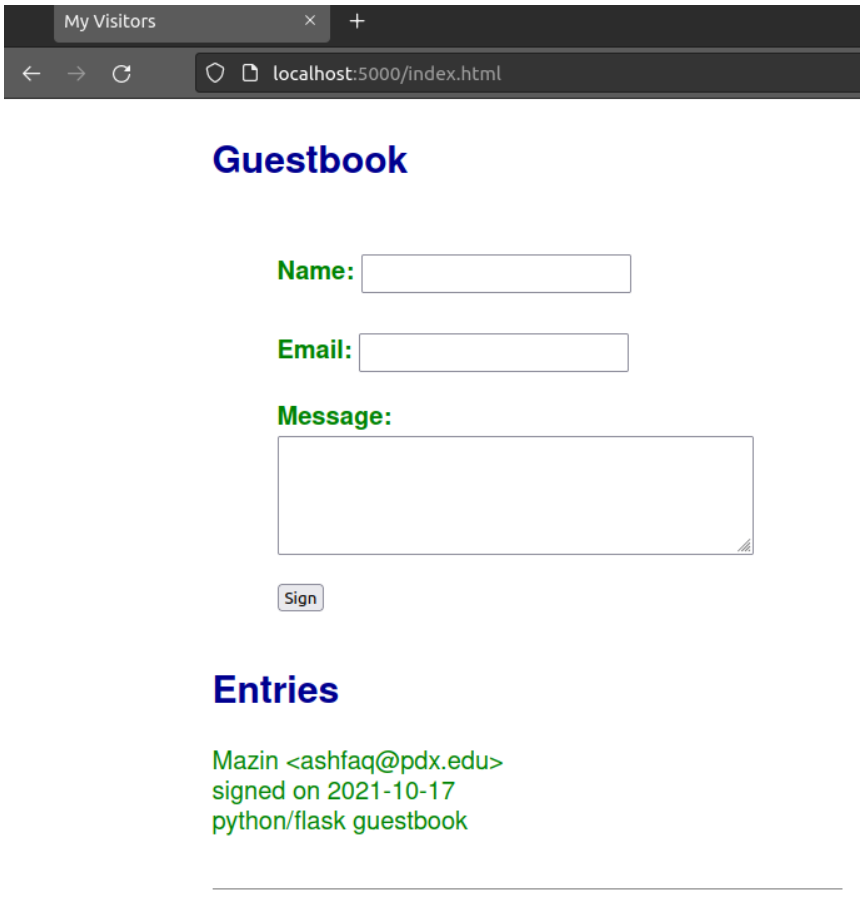
- 03.1: Python Flask Guestbook
  - 5. Running the code
    - Add an entry that includes your PSU e-mail address in it and the message "python/flask guestbook". Take a screenshot of the resulting page for your lab notebook.
- 03.2ag: SQL
  - 2. SQL quiz
    - Take the quiz and include a screenshot with 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

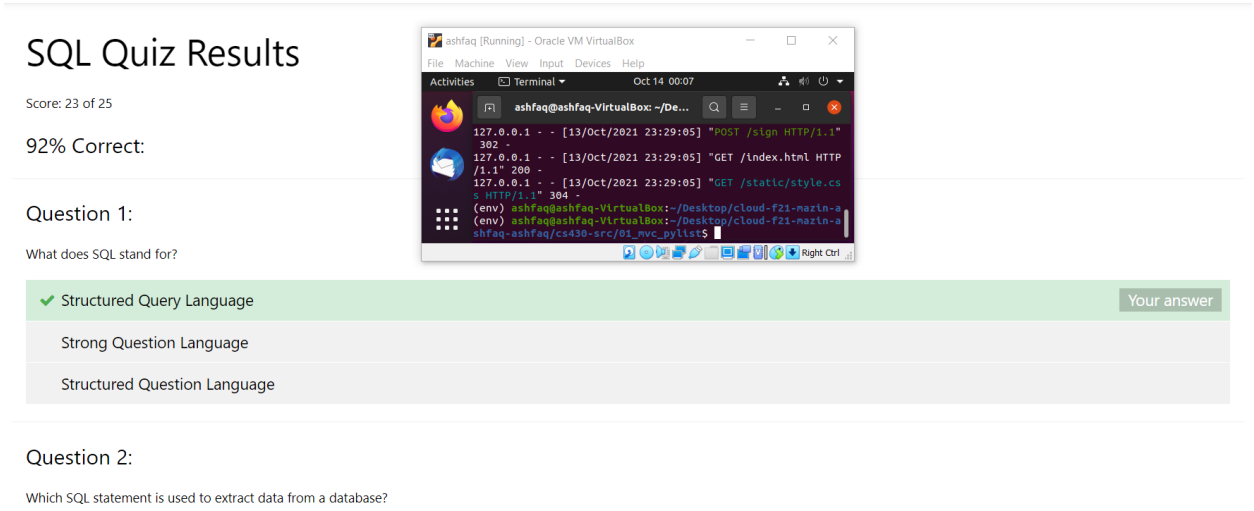
- Add an entry that includes your PSU e-mail address in it and the message "python/flask guestbook". Take a screenshot of the resulting page for your lab notebook.



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 (accoId, userId)
  Recommendation: PRIMARY KEY (userId, accoId)

- 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

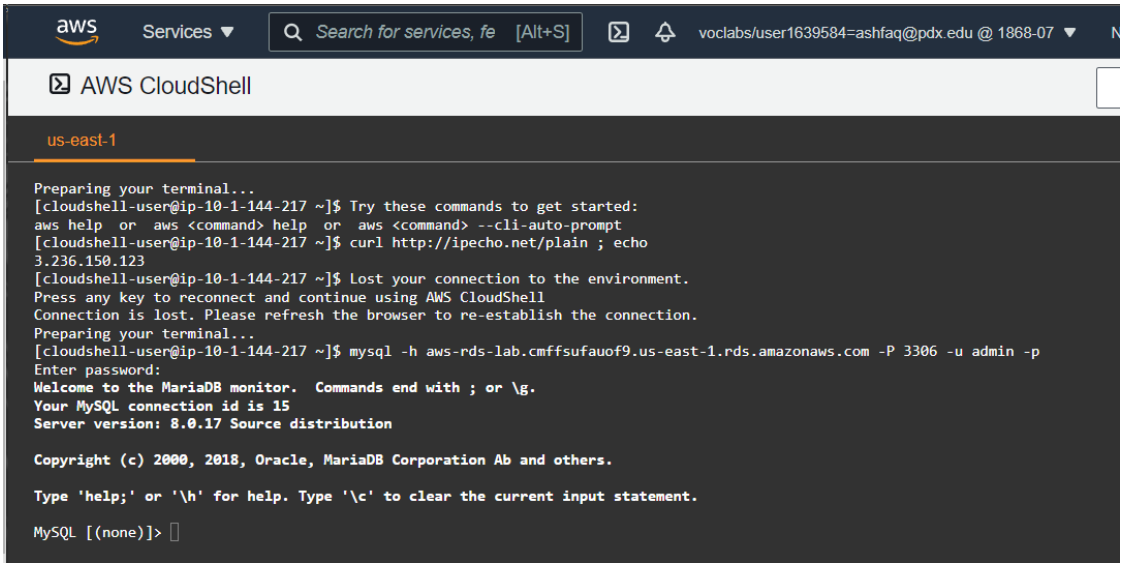
7. Cloud SQL from Cloud Shell

- 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

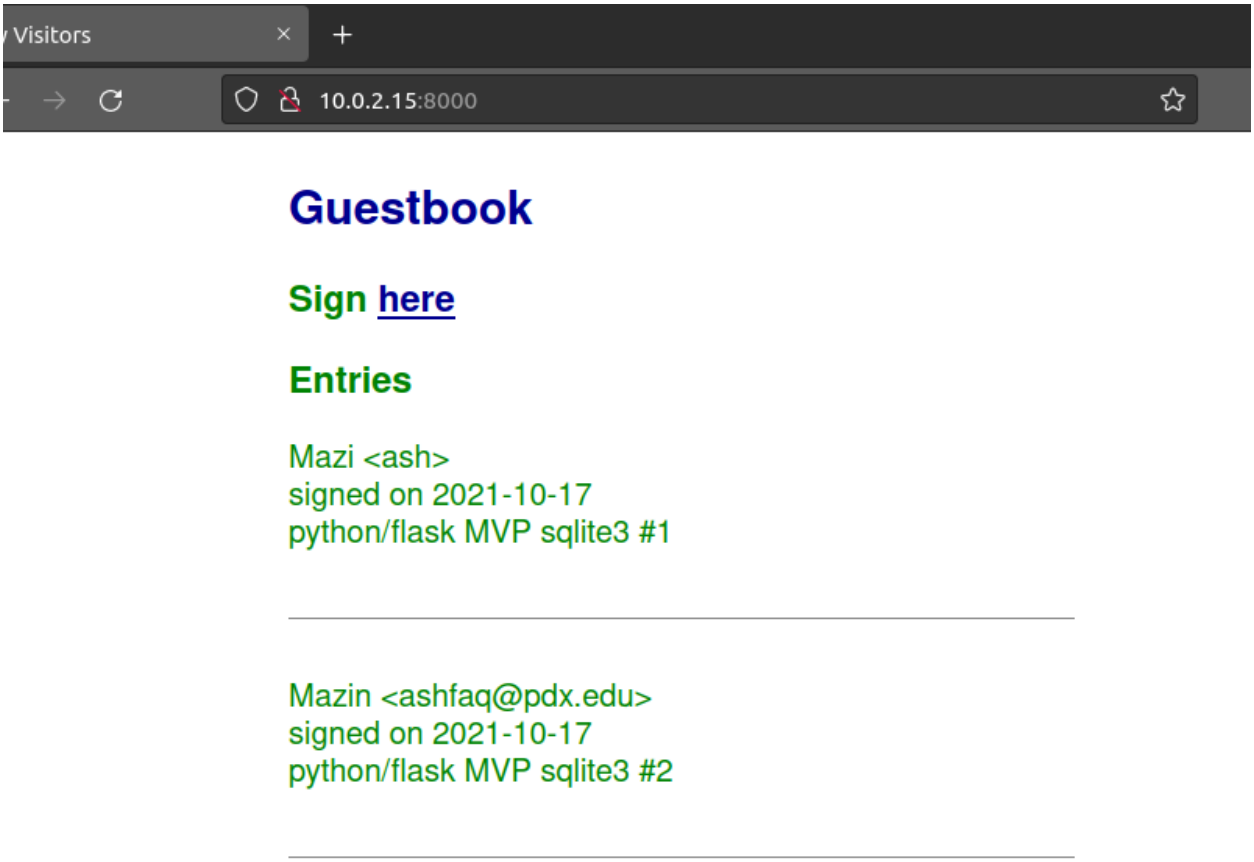
- Show a screenshot of the successful connection similar to below that includes your OdinID



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