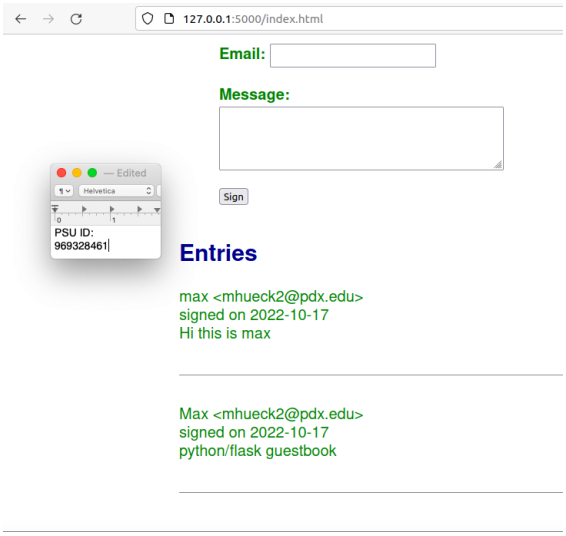
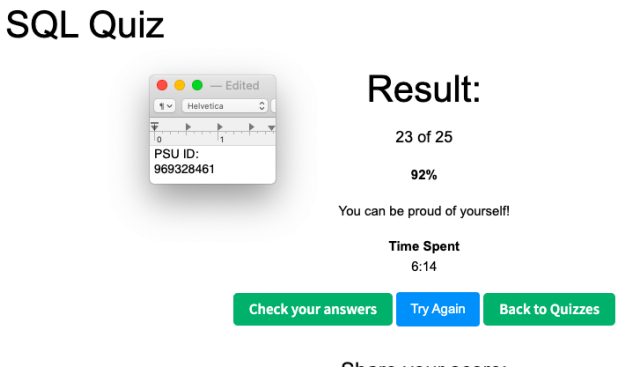
CS 530 Lab 3
Max Huecksteadt
PSU ID: 969328461

3.1:

1. 

3.2:

1. 

2. What are the names of the tables that are created?

   Accommodation, Rating, Recommendation

   What are the primary keys of each table?

ID, (accoID, userID), and (userID, accID), respectively

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

id , title, location, price, rooms, rating, type

3. 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

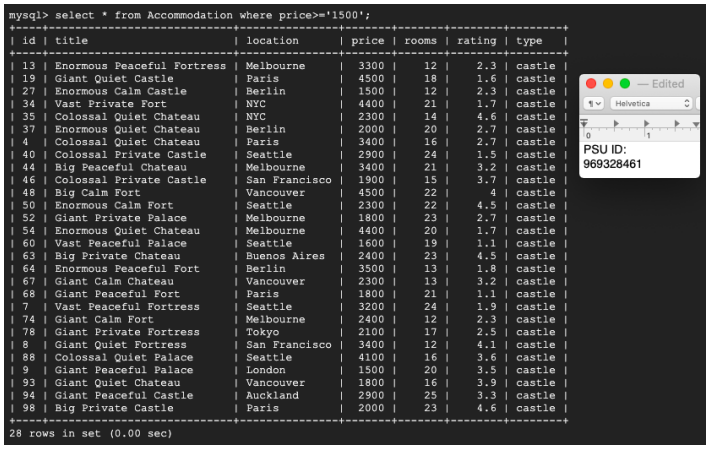
Assuming the column data is ordered as in the DDL, list the attributes and their values for each accommodation in Dublin.

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 server @ 35.227.171.182

4. Various SQL queries (2 different prices, types):



```
mysql> select * from Accommodation where price>='1500';
+----+---------------------------+--------------+-------+-------+--------+--------+
| id | title                     | location     | price | rooms | rating | type   |
+----+---------------------------+--------------+-------+-------+--------+--------+
| 13 | Enormous Peaceful Fortress | Melbourne    |  3300 |    12 |    2.3 | castle |
| 19 | Giant Quiet Castle        | Paris        |  4500 |    18 |    1.6 | castle |
| 27 | Enormous Calm Castle      | Berlin       |  1500 |    12 |    2.3 | 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 |
| 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 |
+----+---------------------------+--------------+-------+-------+--------+--------+
28 rows in set (0.00 sec)
```

```
mysql> select * from Accommodation where price>='3000';
+----+---------------------------+--------------+-------+-------+--------+--------+
| id | title                     | location     | price | rooms | rating | type   |
+----+---------------------------+--------------+-------+-------+--------+--------+
| 13 | Enormous Peaceful Fortress | Melbourne    |  3300 |    12 |    2.3 | castle |
| 19 | Giant Quiet Castle        | Paris        |  4500 |    18 |    1.6 | castle |
| 34 | Vast Private Fort         | NYC          |  4400 |    21 |    1.7 | castle |
| 4  | Colossal Quiet Chateau    | Paris        |  3400 |    16 |    2.7 | castle |
| 44 | Big Peaceful Chateau      | Melbourne    |  3400 |    21 |    3.2 | castle |
| 48 | Big Calm Fort             | Vancouver    |  4500 |    22 |      4 | castle |
| 54 | Enormous Quiet Chateau    | Melbourne    |  4400 |    20 |    1.7 | castle |
| 64 | Enormous Peaceful Fort    | Berlin       |  3500 |    13 |    1.8 | castle |
| 7  | Vast Peaceful Fortress    | Seattle      |  3200 |    24 |    1.9 | castle |
| 8  | Giant Quiet Fortress      | San Francisco |  3400 |    12 |    4.1 | castle |
| 88 | Colossal Quiet Palace     | Seattle      |  4100 |    16 |    3.6 | castle |
+----+---------------------------+--------------+-------+-------+--------+--------+
11 rows in set (0.01 sec)
```

```
mysql> select * from Accommodation where type='cottage' AND rating>='4';
+----+----------------------+---------------+-------+-------+--------+---------+
| id | title                | location      | price | rooms | rating | type    |
+----+----------------------+---------------+-------+-------+--------+---------+
| 2  | Cozy Calm Hut        | London        |    65 |     2 |    4.1 | cottage |
| 21 | Big Peaceful Cabin   | Seattle       |    80 |     2 |    4.9 | cottage |
| 25 | Nice Calm Chalet     | Seattle       |    55 |     2 |    4.5 | cottage |
| 53 | Comfy Private Shanty | Buenos Aires  |    40 |     2 |    4.6 | cottage |
| 62 | Comfy Calm Cabin     | Buenos Aires  |    65 |     2 |    4.3 | cottage |
| 80 | Big Quiet Cabin      | San Francisco |    40 |     3 |    4.3 | cottage |
| 85 | Nice Private Shack   | Auckland      |    55 |     1 |    4.9 | cottage |
+----+----------------------+---------------+-------+-------+--------+---------+
7 rows in set (0.01 sec)
```

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```
mysql> select * from Accommodation where type='mansion' AND rating>='4.5';
+----+----------------------------+------------+-------+-------+--------+---------+
| id | title                      | location   | price | rooms | rating | type    |
+----+----------------------------+------------+-------+-------+--------+---------+
| 10 | Sizable Calm Country House | Auckland   |   650 |     9 |    4.9 | mansion |
| 79 | Large Private Manor        | Vancouver  |  1050 |    10 |    4.8 | mansion |
+----+----------------------------+------------+-------+-------+--------+---------+
2 rows in set (0.01 sec)
```

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5.

AWS CloudShell

us-east-1

```
Preparing your terminal...
[cloudshell-user@ip-10-1-145-13 ~]$ Try these commands to get started:
aws help  or  aws <command> help  or  aws <command> --cli-auto-prompt
[cloudshell-user@ip-10-1-145-13 ~]$ mysql -h aws-rds-lab.czztseodqolb.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
ERROR 1045 (28000): Access denied for user 'admin'@'ec2-44-192-93-58.compute-1.amazonaws.com' (using password: YES)
[cloudshell-user@ip-10-1-145-13 ~]$ mysql -h aws-rds-lab.czztseodqolb.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 17
Server version: 8.0.28 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)]>
```

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6.

Guestbook

Sign here

Entries

Max <mhueck2@pdx.edu>
signed on 2022-10-17
python/flask MVP sqlite3 #1

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Max <mhueck2@pdx.edu>
signed on 2022-10-17
python/flask MVP sqlite3 #2

7.

```
sqlite> .tables
guestbook
sqlite> .schema guestbook
CREATE TABLE guestbook (name text, email text, signed_on date, message);
sqlite> select * from guestbook
   ...> ;
Max|mhueck2@pdx.edu|2022-10-17|python/flask MVP sqlite3 #1
Max|mhueck2@pdx.edu|2022-10-17|python/flask MVP sqlite3 #2
sqlite>
```

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