

Week3

Lab3

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Class/Instructor: CS430P/ Dr. Wu-Chang
Date: 10/17/22

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Python Flask Guestbook ([Link](#))

- ☐ Python Flask
- ☐ Model
- ☐ Controller
- ☐ View
- ☐ 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:

Entries

Armant T. <atouche@pdx.edu>
signed on 2022-10-13
python/flask guestbook

SQL ([Link](#))

- ☐ SQL, Cloud SQL, RDS
- ☐ SQL Quiz
 - ☐ Visit w3 Quiz

SQL Quiz

Result:

25 of 25

100%

Perfect!!!

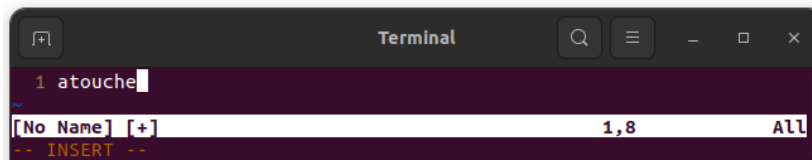
Time Spent

5:32

Check your answers

Try Again

Back to Quizzes



```
1 atouche  
[No Name] [1,8] All  
-- INSERT --
```

- ☐ GCP Cloud SQL
 - ☐ In cloud/table_creation.sql, answer the following:
 - ☐ What are the names of the tables that are created?
 - ☐ Accommodation, Rating, and Recommendation
 - ☐ What are the primary keys of each table?
 - ☐ Accommodation -> PRIMARY KEY(ID)
 - ☐ Rating -> PRIMARY KEY(accold, userID)
 - ☐ Recommendation -> PRIMARY KEY(accold, userID)
 - ☐ 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)

- ☐ Examine cloudsql/accommodation.csv
 - ☐ 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
 - ☐ Stage files
 - ☐ Create regional storage bucket in us-west1
 - ☐ Copy files from cloudsql/* to bucket
 - ☐ Get session id
 - ☐ IP: 34.168.223.42
 - ☐ Verify bucket
- ☐ Cloud SQL instance creation
 - ☐ Create instance
 - ☐ Passwd: Zg"vq%r\$O<0?y_+j
 - ☐ IP: 35.233.188.112
 - ☐ Add CloudShell_IP
- ☐ Cloud SQL network access
 - ☐ Setup Cloudshell access
- ☐ Cloud SQL importing data
 - ☐ Import files from bucket

☐ Cloud SQL from Cloud Shell

☐ 2 price levels

```
(cloud-touche-atoouche) X +
mysql> select * from Accommodation where price between 20 AND 50 order by price desc;
+-----+-----+-----+-----+-----+-----+
| 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 |
| 5 | Homy Quiet Shack | Paris | 50 | 1 | 1.1 | cottage |
| 75 | Large Private Place | Berlin | 50 | 4 | 3.6 | house |
| 16 | Large Calm House | Melbourne | 45 | 3 | 4.1 | house |
| 65 | Comfy Private Chalet | NYC | 45 | 2 | 1 | cottage |
| 89 | Nice Private House | Seattle | 45 | 2 | 3.2 | cottage |
| 24 | Nice Private Cottage | San Francisco | 40 | 2 | 1.1 | cottage |
| 53 | Comfy Private Shanty | Buenos Aires | 40 | 2 | 4.6 | cottage |
| 58 | Nice Calm Cottage | Berlin | 40 | 3 | 3.9 | cottage |
| 80 | Big Quiet Cabin | San Francisco | 40 | 3 | 4.3 | cottage |
| 83 | Comfy Calm Shack | San Francisco | 40 | 3 | 3.4 | cottage |
| 6 | Pleasant Quiet Place | Dublin | 35 | 5 | 4.3 | house |
| 90 | Big Quiet House | Seattle | 35 | 5 | 3.2 | house |
| 33 | Pleasant Calm Place | Tokyo | 30 | 2 | 4.8 | house |
| 76 | Pleasant Calm Villa | Berlin | 30 | 2 | 2.4 | house |
+-----+-----+-----+-----+-----+-----+
18 rows in set (0.01 sec)
```

☐ 2 types

```
(cloud-touche-atoouche) X +
mysql> select * from Accommodation where type='manison' or type='castle' order by price desc;
+-----+-----+-----+-----+-----+-----+
| id | title | location | price | rooms | rating | type |
+-----+-----+-----+-----+-----+-----+
| 19 | Giant Quiet Castle | Paris | 4500 | 18 | 1.6 | castle |
| 48 | Big Calm Fort | Vancouver | 4500 | 22 | 4 | castle |
| 34 | Vast Private Fort | NYC | 4400 | 21 | 1.7 | castle |
| 54 | Enormous Quiet Chateau | Melbourne | 4400 | 20 | 1.7 | castle |
| 88 | Colossal Quiet Palace | Seattle | 4100 | 16 | 3.6 | castle |
| 64 | Enormous Peaceful Fort | Berlin | 3500 | 13 | 1.8 | castle |
| 8 | Giant Quiet Fortress | San Francisco | 3400 | 12 | 4.1 | castle |
| 4 | Colossal Quiet Chateau | Paris | 3400 | 16 | 2.7 | castle |
| 44 | Big Peaceful Chateau | Melbourne | 3400 | 21 | 3.2 | castle |
| 13 | Enormous Peaceful Fortress | Melbourne | 3300 | 12 | 2.3 | castle |
| 7 | Vast Peaceful Fortress | Seattle | 3200 | 24 | 1.9 | castle |
| 94 | Giant Peaceful Castle | Auckland | 2900 | 25 | 3.3 | castle |
| 40 | Colossal Private Castle | Seattle | 2900 | 24 | 1.5 | castle |
| 74 | Giant Calm Fort | Melbourne | 2400 | 12 | 2.3 | castle |
| 63 | Big Private Chateau | Buenos Aires | 2400 | 23 | 4.5 | castle |
| 50 | Enormous Calm Fort | Seattle | 2300 | 22 | 4.5 | castle |
| 35 | Colossal Quiet Chateau | NYC | 2300 | 14 | 4.6 | castle |
| 67 | Giant Calm Chateau | Vancouver | 2300 | 13 | 3.2 | castle |
| 78 | Giant Private Fortress | Tokyo | 2100 | 17 | 2.5 | castle |
| 37 | Enormous Quiet Chateau | Berlin | 2000 | 20 | 2.7 | castle |
| 98 | Big Private Castle | Paris | 2000 | 23 | 4.6 | castle |
| 46 | Colossal Private Castle | San Francisco | 1900 | 15 | 3.7 | castle |
| 52 | Giant Private Palace | Melbourne | 1800 | 23 | 2.7 | castle |
| 68 | Giant Peaceful Fort | Paris | 1800 | 21 | 1.1 | castle |
| 93 | Giant Quiet Chateau | Vancouver | 1800 | 16 | 3.9 | castle |
| 60 | Vast Peaceful Palace | Seattle | 1600 | 19 | 1.1 | castle |
| 27 | Enormous Calm Castle | Berlin | 1500 | 12 | 2.3 | castle |
| 9 | Giant Peaceful Palace | London | 1500 | 20 | 3.5 | castle |
| 31 | Colossal Private Castle | Buenos Aires | 1400 | 15 | 3.3 | castle |
| 26 | Enormous Peaceful Palace | Paris | 1300 | 18 | 1.1 | castle |
| 15 | Vast Private Fort | London | 1300 | 18 | 2.6 | castle |
| 14 | Colossal Peaceful Palace | Melbourne | 1200 | 21 | 1.5 | castle |
| 45 | Vast Quiet Chateau | Tokyo | 1100 | 19 | 2.3 | castle |
+-----+-----+-----+-----+-----+-----+
33 rows in set (0.00 sec)
```

☐ Cloud SQL cleanup

- ☐ AWS RDS
 - ☐ Get IP
 - ☐ 34.223.108.63
- ☐ RDS security group
 - ☐ Create security group
- ☐ RDS instance creation
- ☐ RDS database configuration
 - ☐ Passwd: mr5JnnvFn9QhyZv
- ☐ RDS network access
- ☐ RDS test instance
 - ☐ Screenshot of connection on port 3306

The screenshot shows the AWS CloudShell interface. The top bar includes the AWS logo, a 'Services' menu, a search bar with the text 'Search for services, features, blogs, docs, and more', and a keyboard shortcut '[Alt+S]'. On the right, there are icons for a terminal, a bell, a question mark, and a dropdown menu showing 'Oregon' and 'atouche'. Below the top bar, the title 'AWS CloudShell' is displayed with an 'Actions' dropdown and a settings icon. The main terminal area shows a session in the 'us-west-2' region. The command executed is `mysql -h aws-rds-lab.c3kr4nycenez.us-west-2.rds.amazonaws.com -P 3306 -u admin -p`. The terminal output shows the MySQL prompt, a password prompt, and a successful connection message: 'Welcome to the MariaDB monitor. Commands end with ; or \g. Your MySQL connection id is 18. Server version: 8.0.28 Source distribution'. The prompt then changes to `MySQL [(none)]>`.

```
us-west-2

[cloudshell-user@ip-10-1-28-158 ~]$ mysql -h aws-rds-lab.c3kr4nycenez.us-west-2.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 18
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)]>
```

- ☐ RDS cleanup

sqlite3 Guestbook ([Link](#))

- ☐ sqlite3
- ☐ gbmodel package
- ☐ Presenter architecture
- ☐ Running the code
 - ☐ Add 2 entries:

Guestbook

[Sign here](#)

Entries

atouche <atouche@pdx.edu>
signed on 2022-10-16
python/flask MVP sqlite3 #1

atouche <atouche@pdx.edu>
signed on 2022-10-16
python/flask MVP sqlite3 #2

- ☐ sqlite3 database
 - ☐ List tables and note the table names

```
1 atouche
[No Name] [+ 1,8 All]
-- INSERT --
Processing triggers for man-db (2.10.2-1) ...
(env) at03@at03-desktop:~/dev_folder/school/cs430P/lab/lab3/cs430-src/02_mvp_modules_sqlite3$ sqlite3 entries.db
SQLite version 3.37.2 2022-01-06 13:25:41
Enter ".help" for usage hints.
sqlite> .tables
questbook
sqlite>
```

- ☐ Output schema

```
1 atouche
[No Name] [+ 1,8 All] te3$ sqlite3 entries.db
-- INSERT --
SQLite version 3.37.2 2022-01-06 13:25:41
Enter ".help" for usage hints.
sqlite> .tables
questbook
sqlite> .schema questbook
CREATE TABLE questbook (name text, email text, signed_on date, message);
sqlite>
```


☐ Query all

```
1 atouche
[No Name] [+ 1,8 All
-- INSERT --
guestbook
sqlite> .schema guestbook
CREATE TABLE guestbook (name text, email text, signed_on date, message);
sqlite> select * from guestbook;
atouche|atouche@pdx.edu|2022-10-16|python/flask MVP sqlite3 #1
atouche|atouche@pdx.edu|2022-10-16|python/flask MVP sqlite3 #2
sqlite>
```

