CS530 F23 Week 3 Lab
Prof. Feng

Amelia Miner
10/11/23

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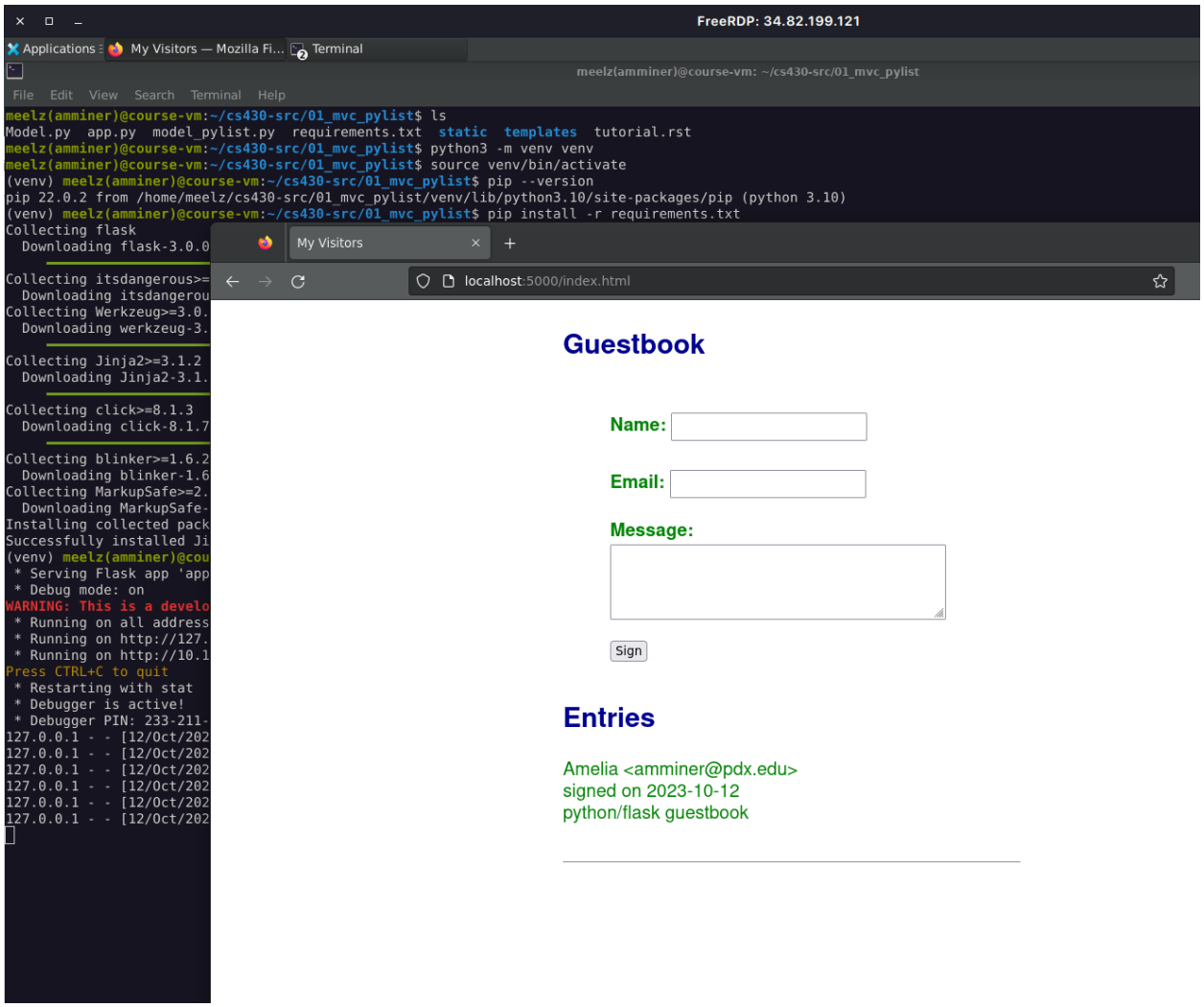
I. Lab 3.1 - Python Flask Guestbook

1. – 5.



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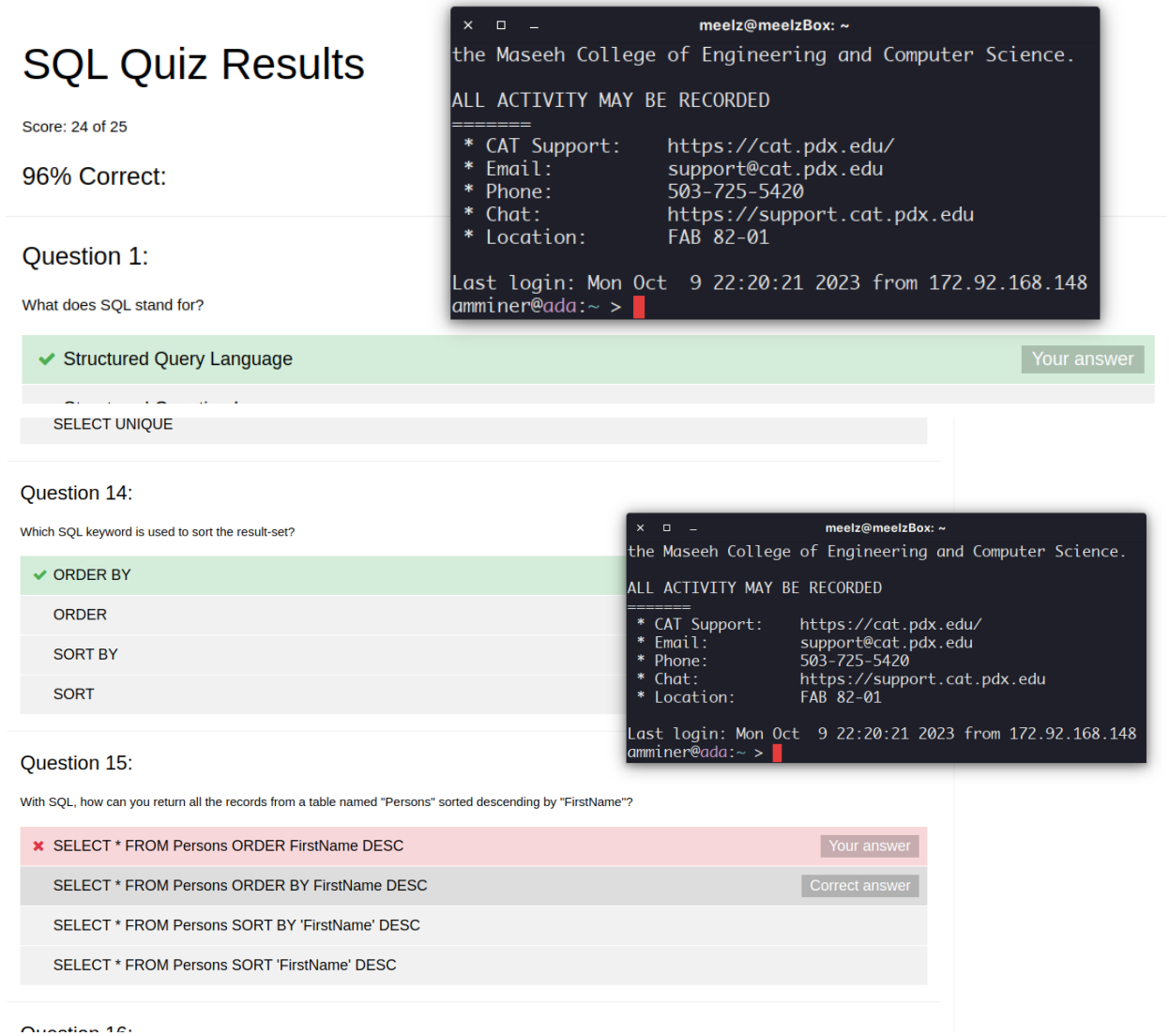
II. Lab 3.2 - SQL

1. & 2. SQL info & quiz



Simple mistake, didn't take enough time to read the answers.

3. GCP Cloud SQL

Examine the data definition language (DDL) commands in `cloudsql/table_creation.sql` that specify the schema and answer the following questions:

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- What are the names of the tables that are created?

  Accommodation, Rating, and Recommendation.

- What are the primary keys of each table?

  Accomodation: id,
  Rating: composite of acccoid and userid,
  Recommendation: composite of userid and accoid.

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

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

- Examine the data that fills in these tables at cloudsql/accommodation.csv. Find the accommodations in Dublin within the file. Assuming the column data is ordered as in the DDL, list the attributes and their values for each accommodation in Dublin.

id	title	location	price	rooms	rating	type
6	Pleasant Quiet Place	Dublin	35	5	4.3	house
77	Great Private Country House	Dublin	1150	10	2.4	mansion

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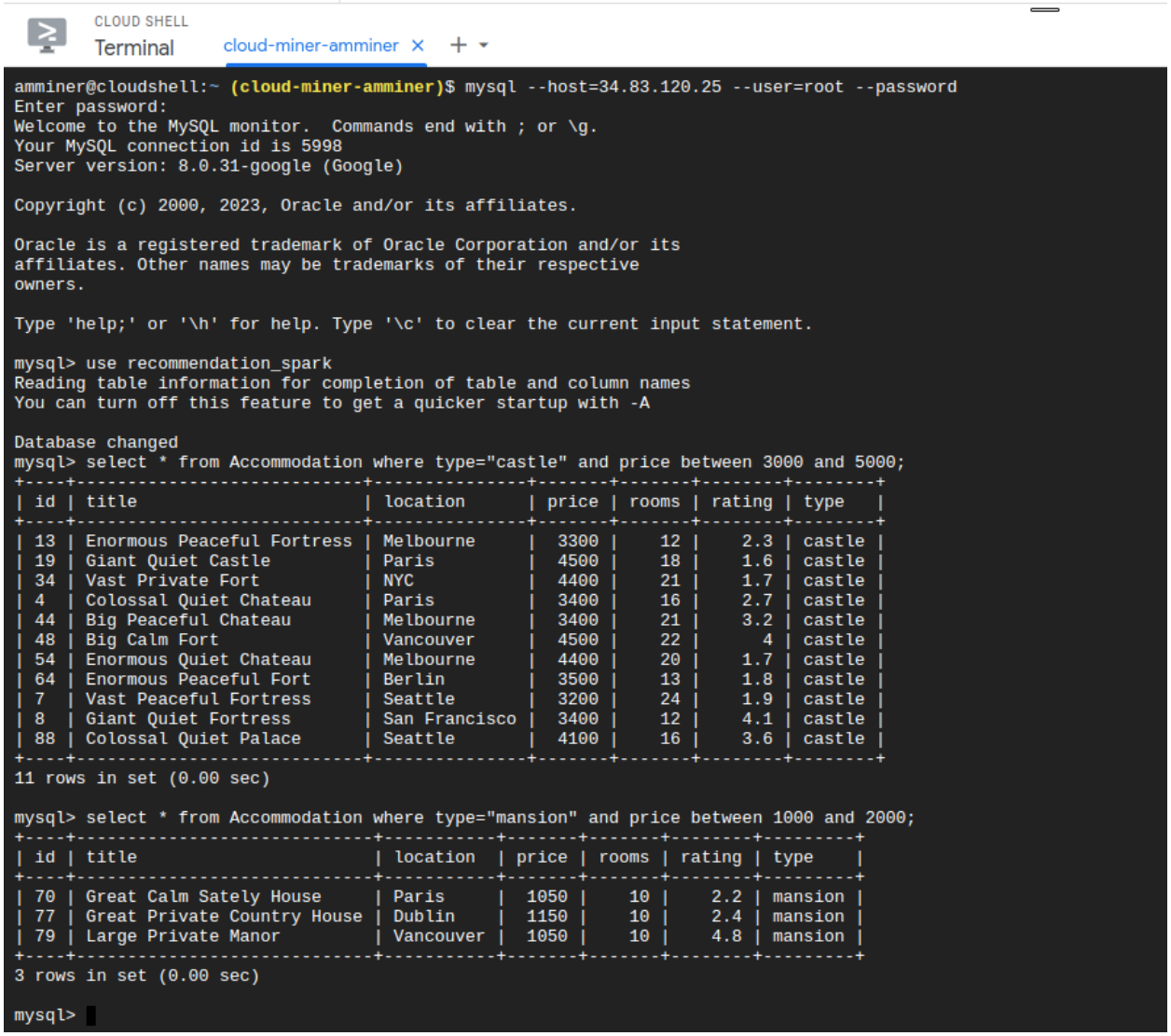
4. - 8. Cloud SQL instance creation, Importing data, accessing Cloud SQL from Cloud Shell, cleanup

- Run queries for accommodations at two price ranges of your choice and two types of your choice.



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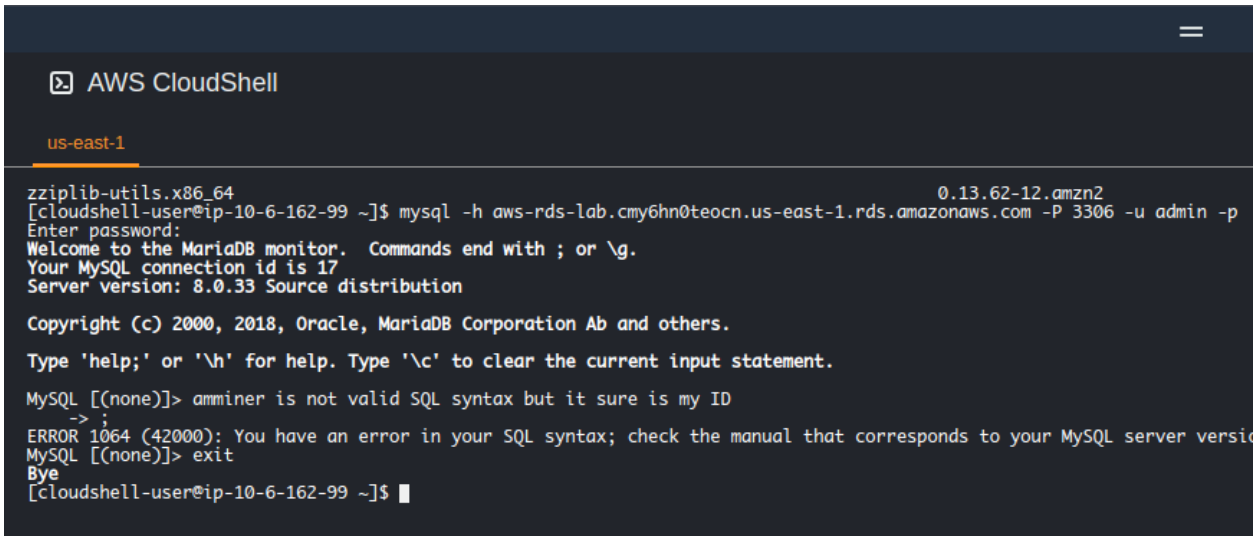
9. - 14. AWS RDS setup

- **AWS CloudShell IP: 18.207.249.90**
- **Security Group Rule ID: sgr-0aba967fbc2da9e09**
- **aws-rds-lab db endpoint address: aws-rds-lab.cmy6hn0teocn.us-east-1.rds.amazonaws.com:3306**

15. RDS test instance



16. AWS RDS Cleanup

Done!

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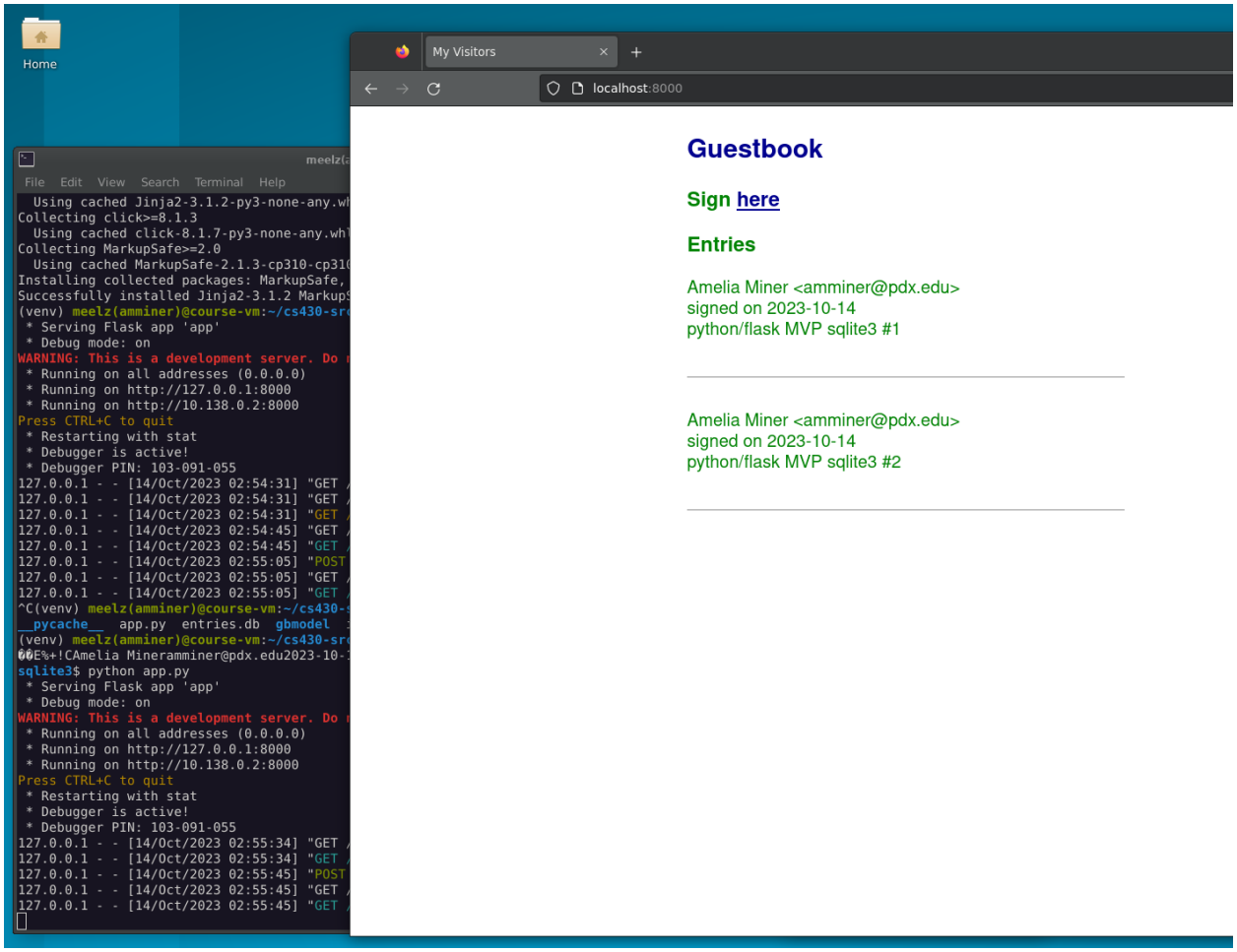
III. Lab 3.3 - sqlite3 guestbook

1. - 4. sqlite3, gbmodel package, presenter architecture, running the code



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5. sqlite3 database

- Bring up the entries.db database within sqlite3. within the sqlite client, perform the following commands:
  .tables
  .schema <table_name>
  select * from <table_name>;