

# CIS64A Spring 2020

## Homework 4

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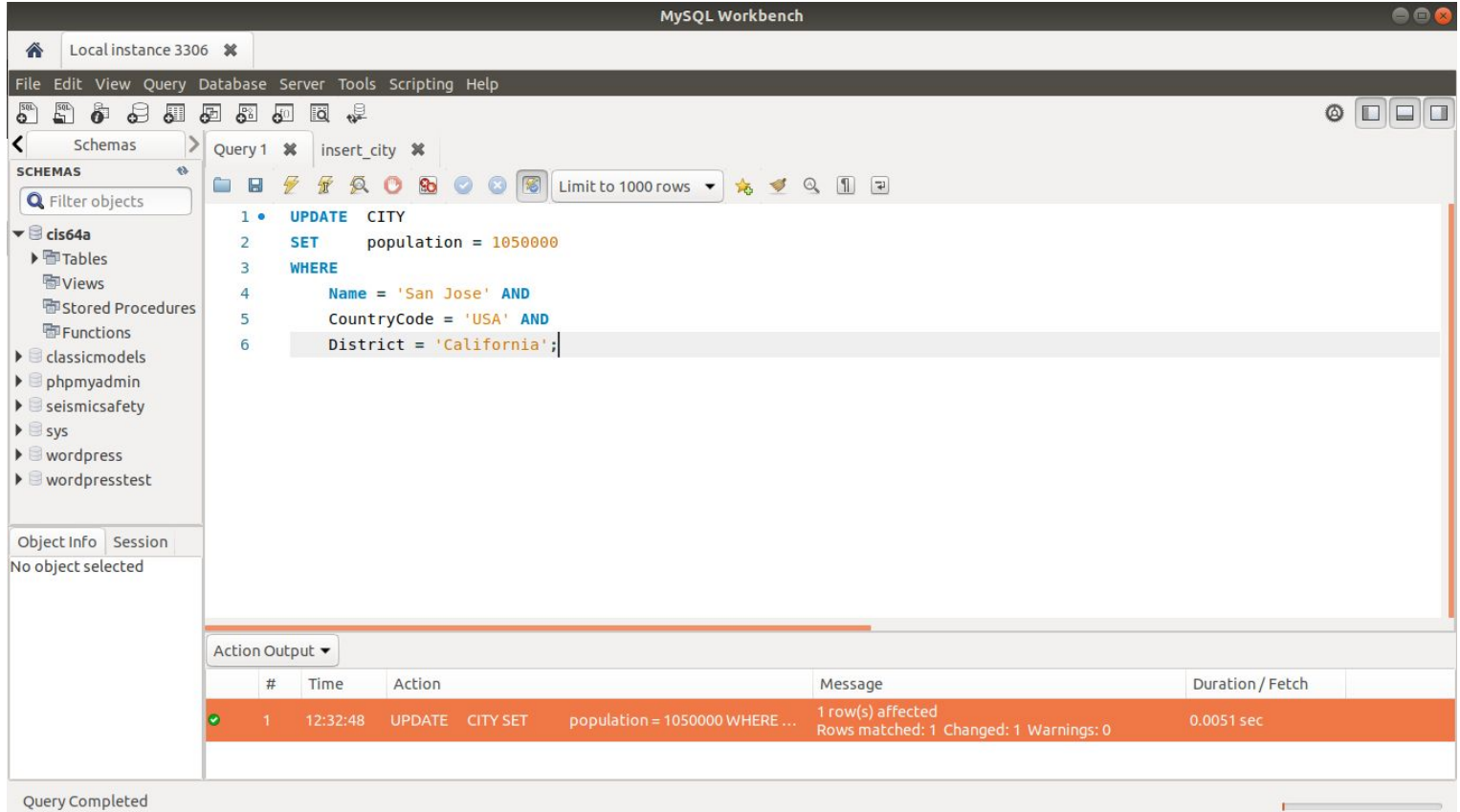
5/16/2020

2. Write SQL statement to Update the population of the city "San Jose", USA, California with the value 1050000. Copy your SQL command to the answer document.

```
UPDATE      CITY
SET         population = 1050000
WHERE

      Name = 'San Jose' AND
      CountryCode = 'USA' AND
      District = 'California';
```

Capture the output screenshot and insert image in your answer document

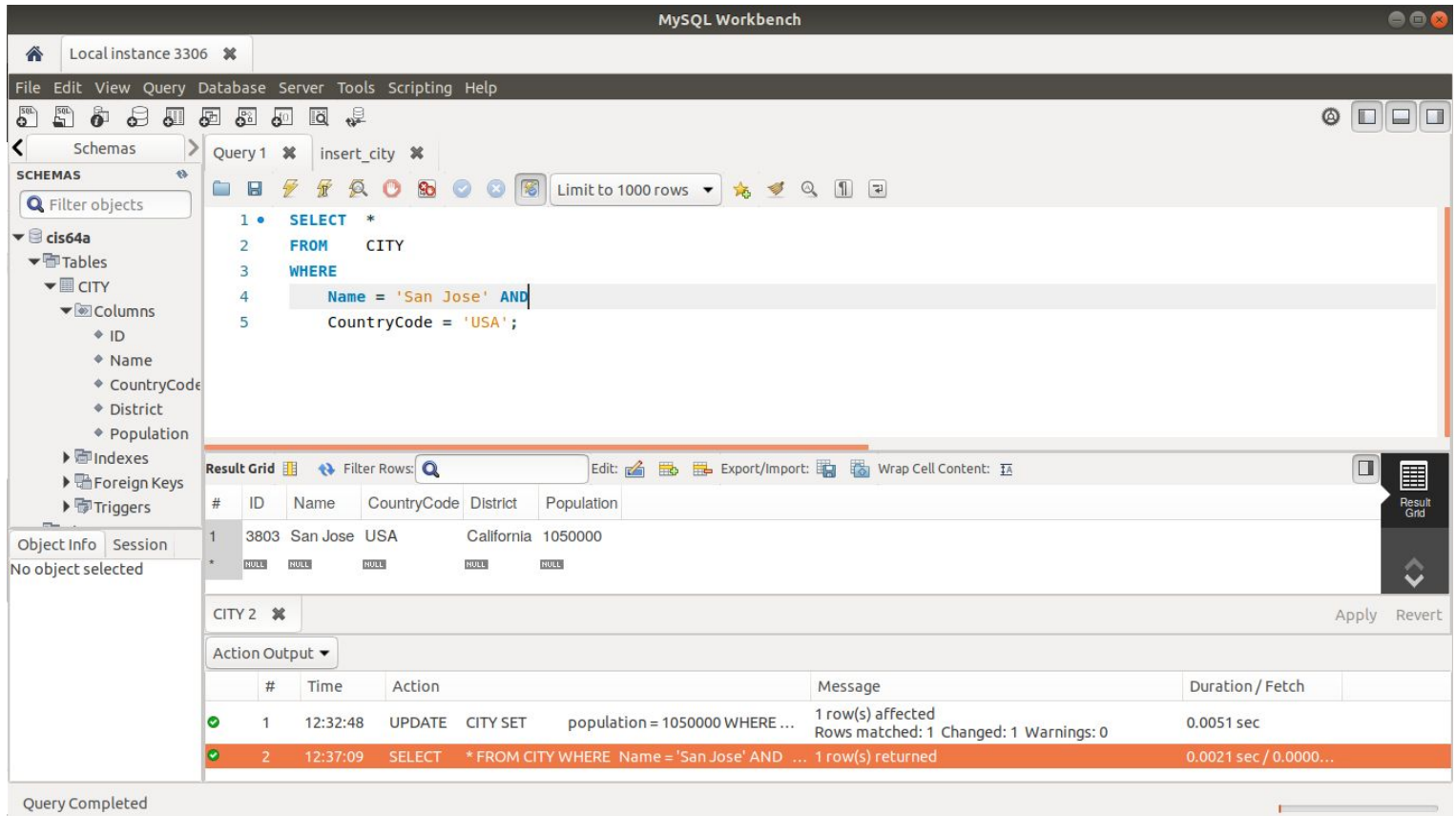


3. Write a SELECT statement to show all columns for the row having city name "San Jose" in USA (not other cities with same name but in different countries)

Copy your SQL command to the answer document.

```
SELECT      *
FROM        CITY
WHERE
           Name = 'San Jose' AND
           CountryCode = 'USA';
```

Capture the output screenshot and insert image in your answer document.



4. Write an SQL to insert a new city name "Twin Peaks", Washington State, USA, population 10500

Then write the "SELECT" statement to show all data for the city named "Twin Peaks".

Hint: Read the SQL file given in step 6 of home work 3, then think about using some thing similar.

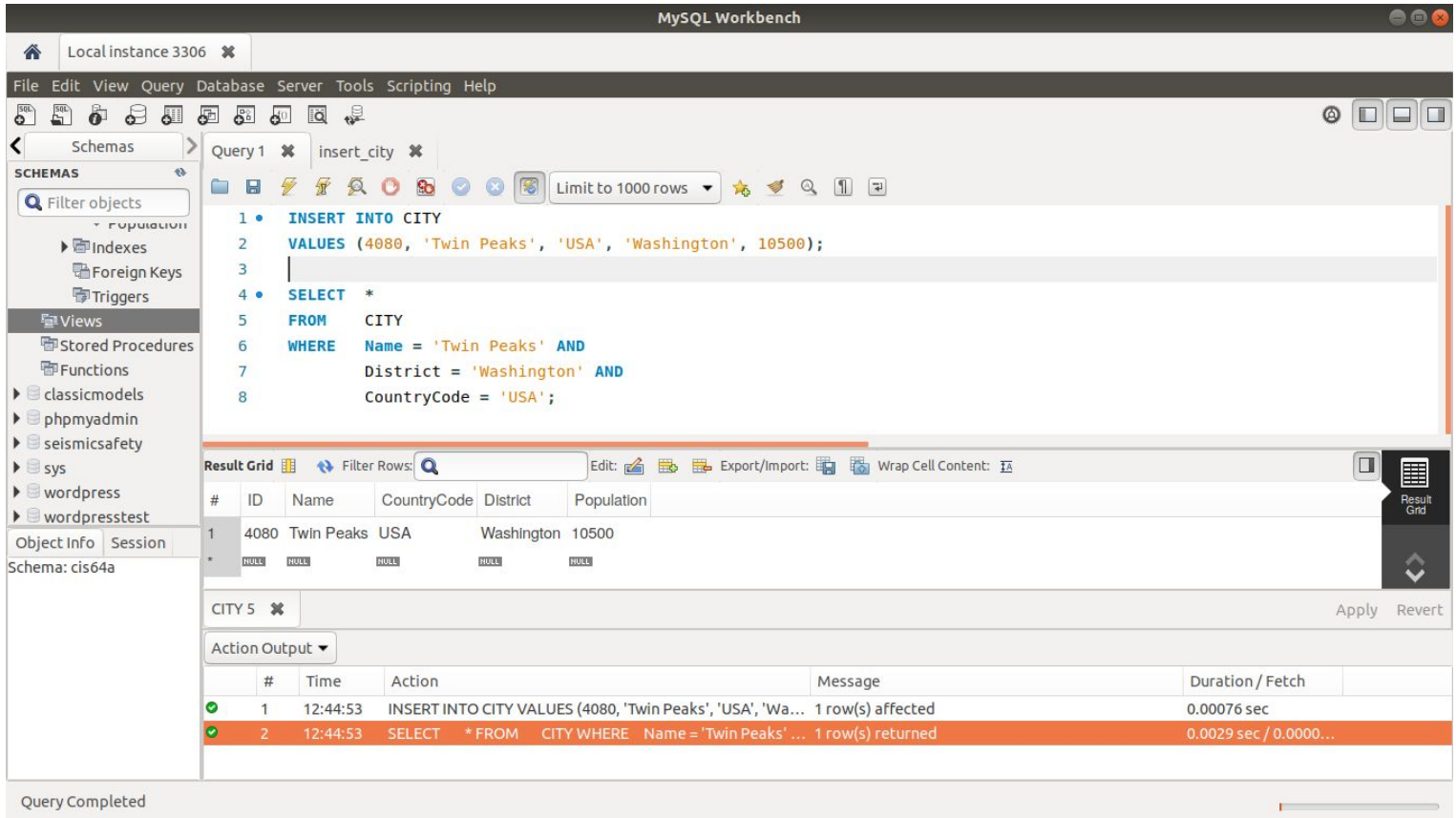
Copy your SQL command to the answer document.

```
INSERT INTO CITY
VALUES (4080, 'Twin Peaks', 'USA', 'Washington', 10500);
```

```
SELECT      *
FROM        CITY
WHERE
           Name = 'Twin Peaks' AND
           District = 'Washington' AND
```

```
CountryCode = 'USA';
```

Capture the output screenshot and insert image in your answer document.



The screenshot displays the MySQL Workbench interface. The query editor shows the following SQL:

```
1 • INSERT INTO CITY
2   VALUES (4080, 'Twin Peaks', 'USA', 'Washington', 10500);
3
4 • SELECT *
5   FROM CITY
6  WHERE Name = 'Twin Peaks' AND
7         District = 'Washington' AND
8         CountryCode = 'USA';
```

The Result Grid shows the following data:

#	ID	Name	CountryCode	District	Population
1	4080	Twin Peaks	USA	Washington	10500

The Action Output shows the following results:

#	Time	Action	Message	Duration / Fetch
1	12:44:53	INSERT INTO CITY VALUES (4080, 'Twin Peaks', 'USA', 'Wa...	1 row(s) affected	0.00076 sec
2	12:44:53	SELECT * FROM CITY WHERE Name = 'Twin Peaks' ...	1 row(s) returned	0.0029 sec / 0.0000...

5. Write an SQL to delete the city name "Twin Peaks".

Then write an SQL using "SELECT COUNT" to show the row count of your CITY table.

Copy your SQL command to the answer document.

```
DELETE FROM CITY
```

```
WHERE
```

```
    Name = 'Twin Peaks' AND
```

```
    District = 'Washington' AND
```

```
    CountryCode = 'USA';
```

```
SELECT COUNT(ID)
```

```
FROM CITY;
```

Capture the output screenshot and insert image in your answer document

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

Filter objects

Population

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

classicmodels

phpmyadmin

seismicsafety

sys

wordpress

wordpress-test

Object Info

Session

Schema: cis64a

Query 1 insert\_city

Limit to 1000 rows

1 • DELETE FROM CITY

2 WHERE Name = 'Twin Peaks' AND

3 District = 'Washington' AND

4 CountryCode = 'USA';

5

6 • SELECT COUNT(ID)

7 FROM CITY;

Result Grid

Filter Rows:

Export: Wrap Cell Content: F

# COUNT(ID)

1 4079

Result 8

Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
5	12:49:54	SELECT * FROM CITY WHERE Name = 'Twin Peaks' AND District = 'Washington' AND CountryCode = 'USA';	0 row(s) returned	0.0029 sec / 0.0000...
6	12:50:36	DELETE FROM CITY WHERE Name = 'Twin Peaks' AND District = 'Washington' AND CountryCode = 'USA';	0 row(s) affected	0.0037 sec
7	12:50:36	SELECT COUNT(ID) FROM CITY LIMIT 0, 1000	1 row(s) returned	0.0019 sec / 0.0000...

Query Completed