Database
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Homework #5
SQL: MULTI-TABLE QUERIES

YOUR TASKS

1. Perform the queries below for the listed database(s)

QUERIES

Colonial Adventure Tours

Use SQL and the Colonial Adventure Tours database (see Ch. 1 in your text) to complete the following exercises. Provide downloads of query outputs

1. For each reservation, list the reservation ID, trip ID, customer number, and customer last name. Order the results by customer last name.
2. For each reservation for customer Ryan Goff, list the reservation ID, trip ID, and number of persons.
3. List the trip name of each trip that has Miles Abrams as a guide.
4. List the trip name of each trip that has the type Biking and that has Rita Boyers as a guide.
5. For each reservation that has a trip date of July 23, 2016, list the customer's last name, the trip name, and the start location.
6. ~~List the reservation ID, trip ID, and trip date for reservations for a trip in Maine (ME). Use the IN operator in your query.~~
7. ~~Repeat Exercise 6, but this time use the EXISTS operator in your query.~~
8. Find the guide last name and guide first name of all guides who can lead a paddling trip. (Note: The query results should include duplicate values.)
9. Repeat Exercise 8 but use aliases for the table names.
10. List the trip IDs and trip names for each pair of trips that have the same start location. (For example, one such pair would be trip ID 2 and trip ID 3, because the start location of both trips is Weathersfield.) The first trip ID listed should be the major sort key, and the second trip ID should be the minor sort key.
11. Find the trip name of all reservations for hiking trips and sort the results by trip name in ascending order.
12. ~~List the number and name of each customer that either lives in the state of New Jersey (NJ), or that currently has a reservation, or both.~~
13. ~~List the number and name of each customer that lives in the state of New Jersey (NJ) and that currently has a reservation.~~
14. ~~Find the trip ID and trip name for each trip whose maximum group size is greater than the maximum group size of every trip that has the type Hiking.~~

15. ~~Find the trip ID and trip name for each trip whose maximum group size is greater than the maximum group size of at least one trip that has the type Biking.~~
16. Display the trip ID, trip name, and reservation ID for all trips. All trips should be included in the result. For those trips that currently do not have reservations, the reservation ID should be left blank. Order the results by trip ID.

WHAT YOU WILL TURN IN

1. Copy & paste everything into a Word document that includes
    a. Proof that queries ran *correctly* (screenshots / snips of query text and outputs)
    b. Label each screen snip
    c. Page number at bottom-center of each page of Word document
    d. Export to PDF

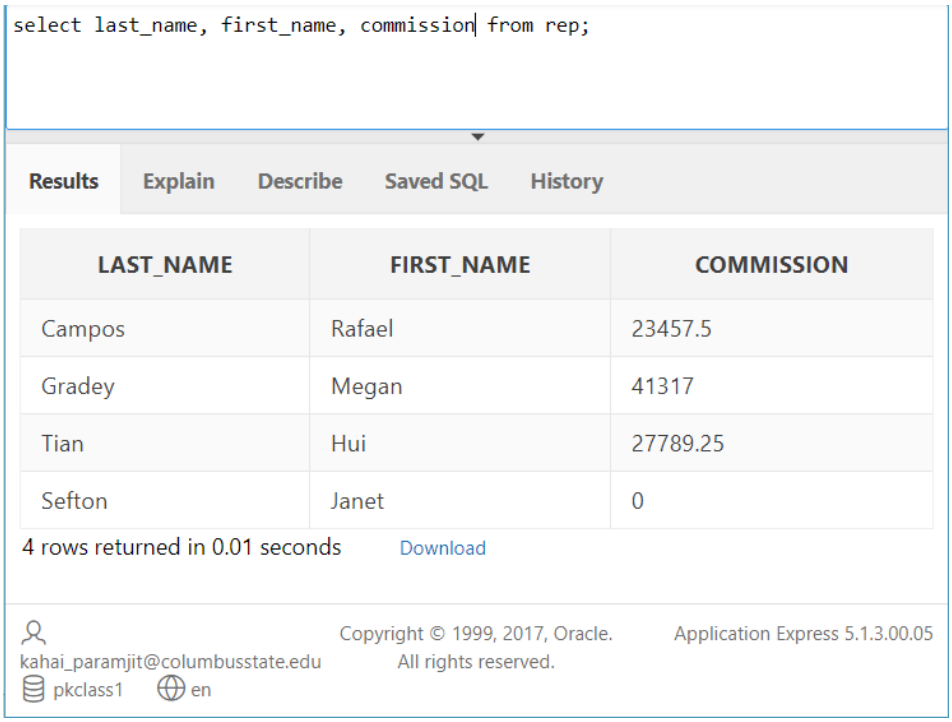
2. Upload PDF document to Blackboard

How to (& Not to) Turn-In Work (Samples)

Query Output

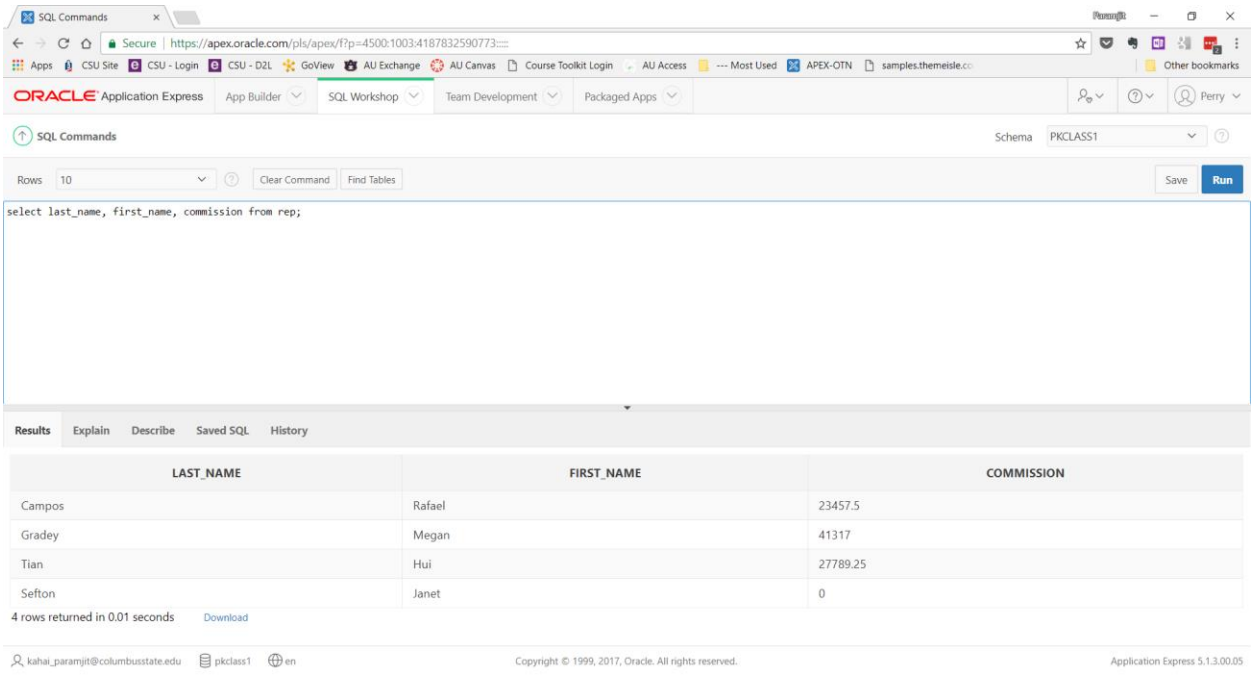
- I want to see a snip of only the relevant portion(s) of the window
- Include other needed info as shown below
- In taking a snip, first un-maximize browser Window. Then, reduce its width to where you can view the output (see below) as completely as possible
- Do NOT take a screenshot of the entire screen or of a maximized Window (see below)

Acceptable Screenshot (It's Readable)

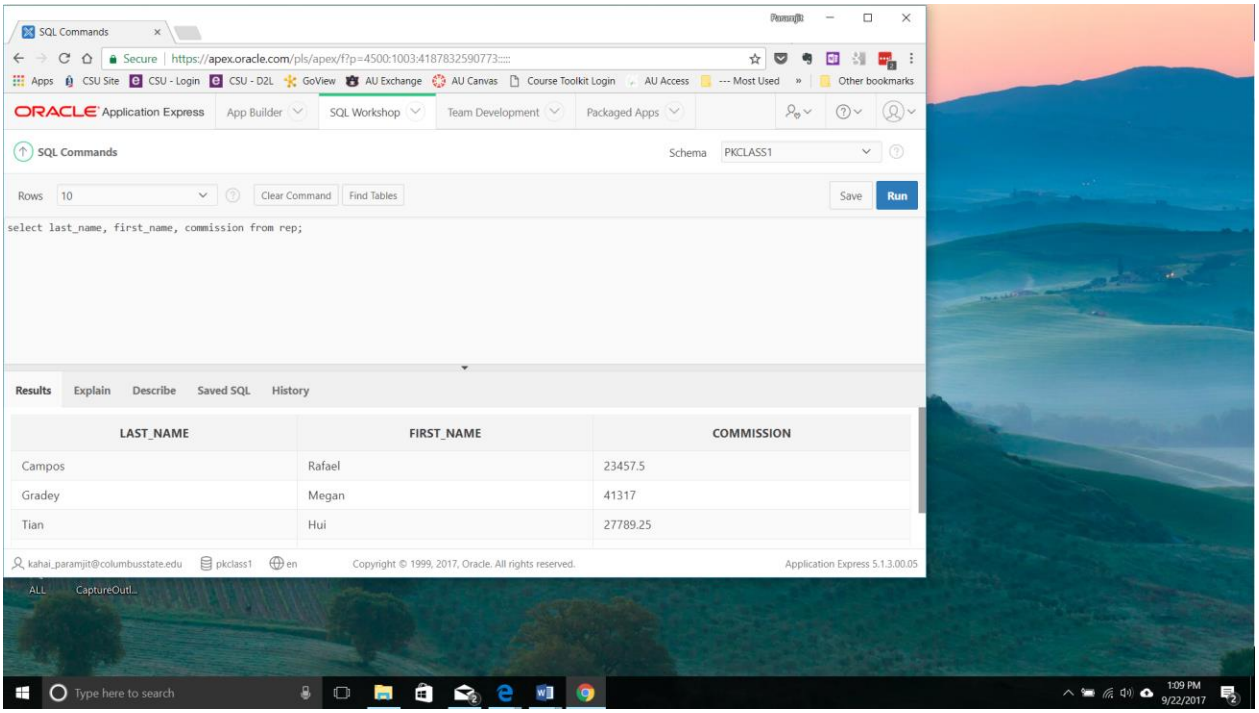


Unacceptable Screenshots (NOT Readable)

NO maximized window unless very necessary



NO screenshots of entire screen


SQL Commands
Secure | https://apex.oracle.com/pls/apex/f?p=4500:1003:4187832590773::::
Apps CSU Site CSU - Login CSU - D2L GoView AU Exchange AU Canvas Course Toolkit Login AU Access --- Most Used Other bookmarks
ORACLE Application Express App Builder SQL Workshop Team Development Packaged Apps
SQL Commands
Schema PKCLASS1
Rows 10 Clear Command Find Tables Save Run
select last_name, first_name, commission from rep;
Results Explain Describe Saved SQL History
LAST_NAME FIRST_NAME COMMISSION
Campos Rafael 23457.5
Gradey Megan 41317
Tian Hui 27789.25
kahai_paramjit@columbusstate.edu pkclass1 en
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