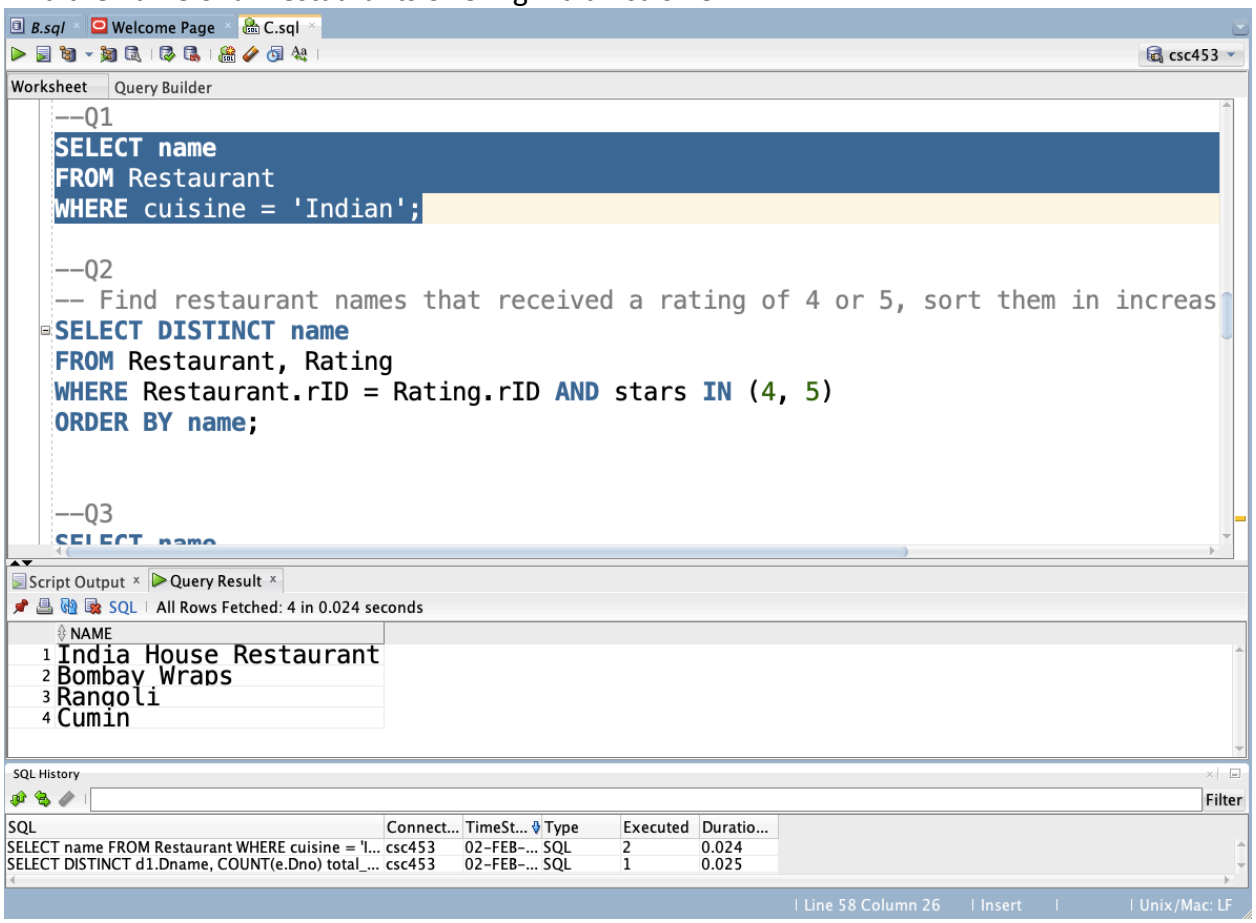
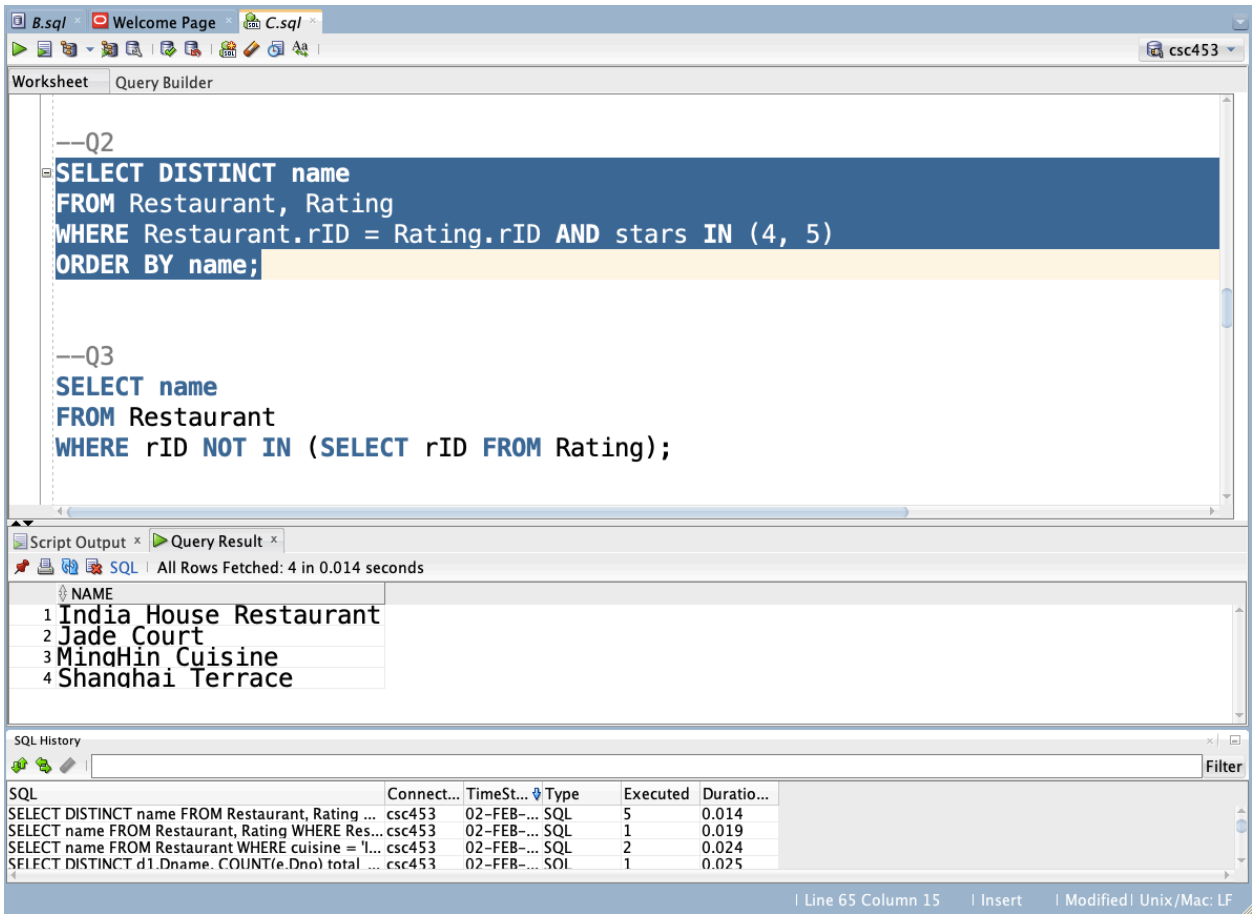
Ximan Liu
CSC 453
HW2
Part C Screenshots

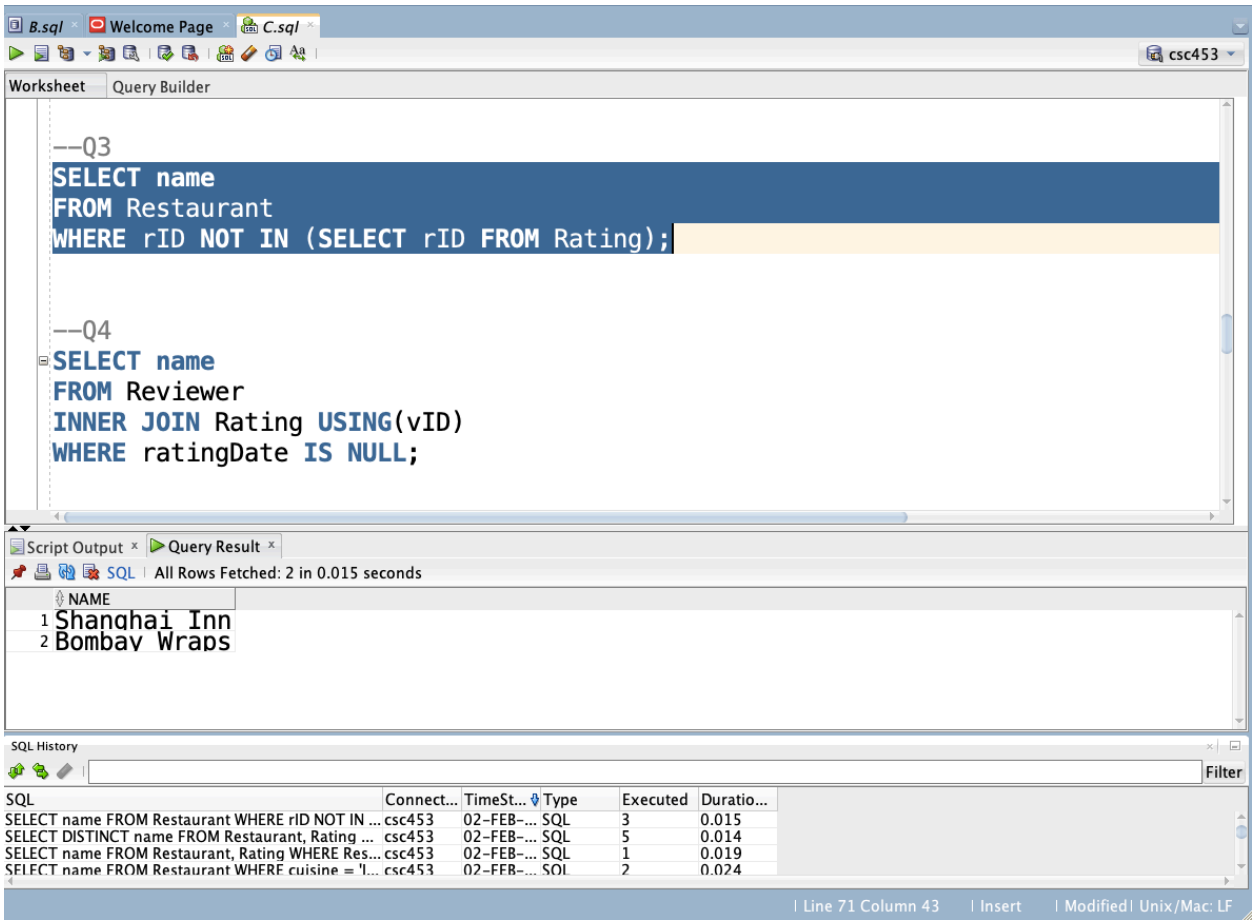
1. Find the name of all restaurants offering Indian cuisine



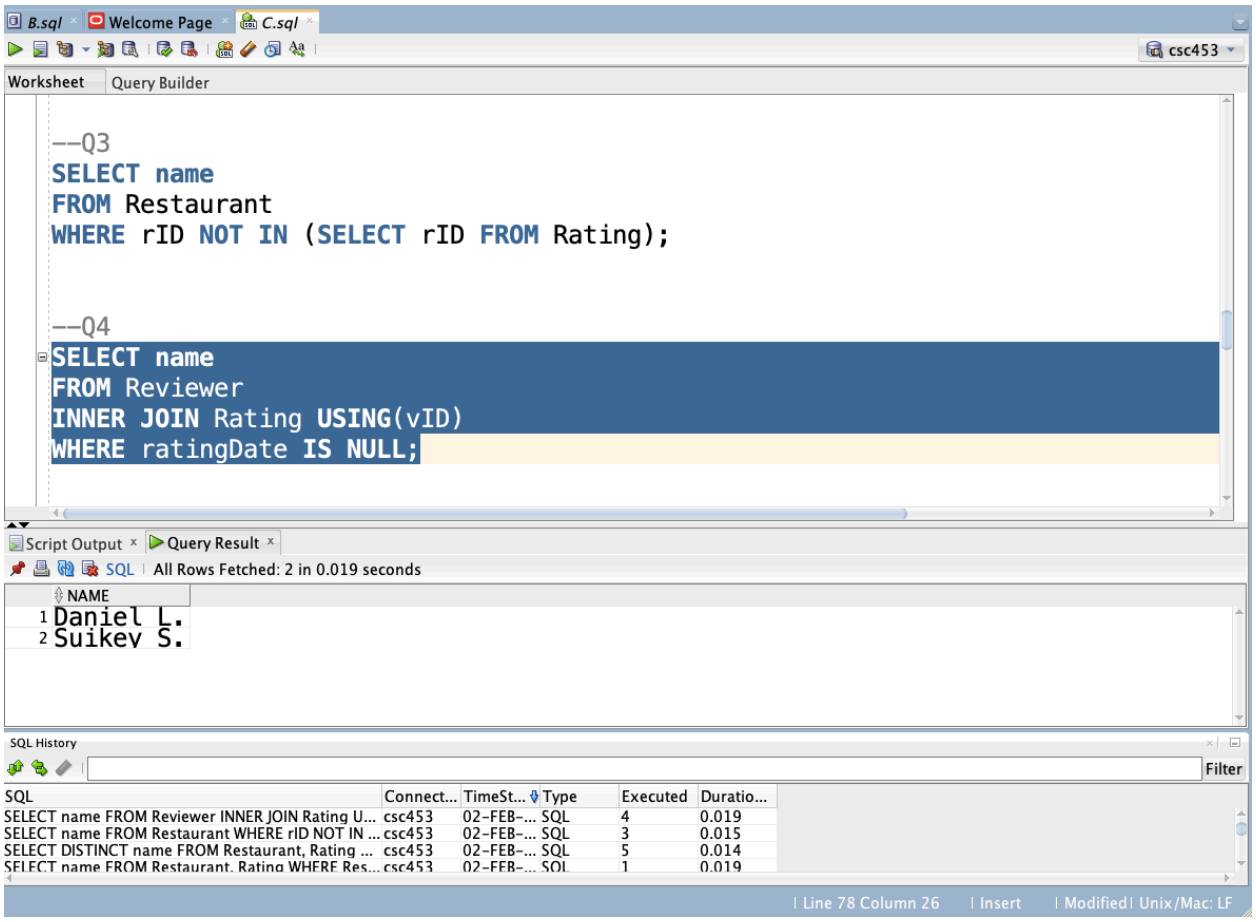
2. Find restaurant names that received a rating of 4 or 5, sort them in increasing order.



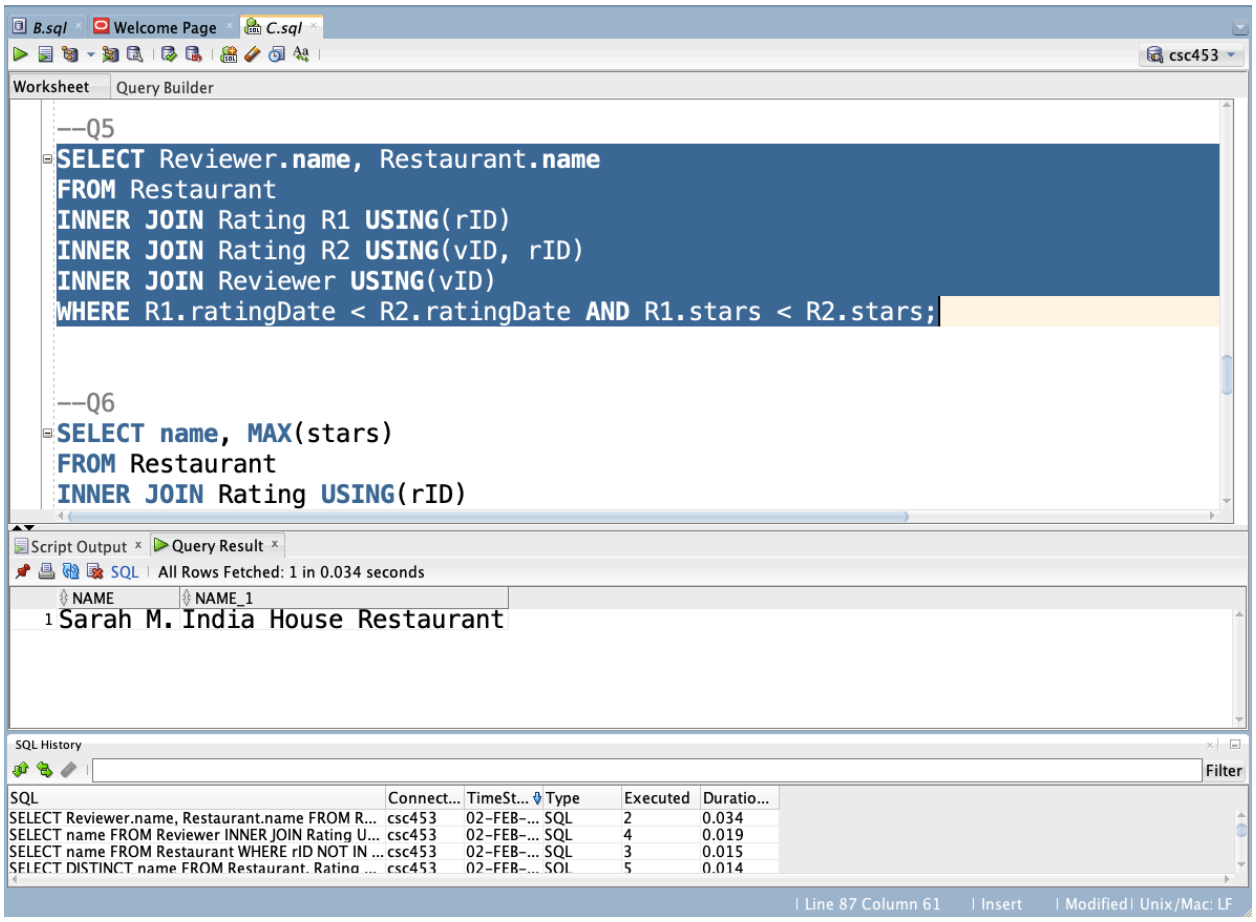
3. Find the names of all restaurants that have no rating.



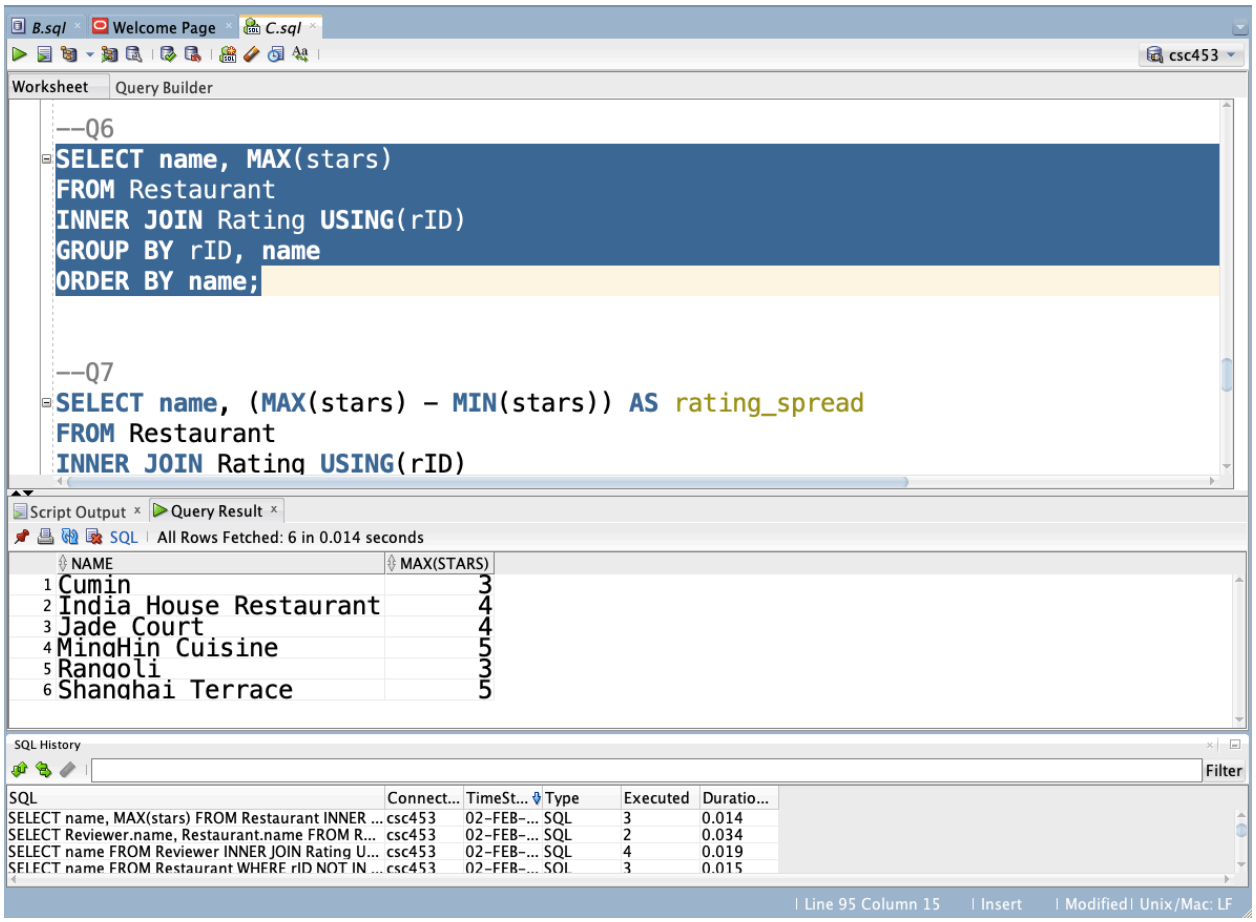
4. Some reviewers didn't provide a date with their rating. Find the names of all reviewers who have ratings with a NULL value for the date.



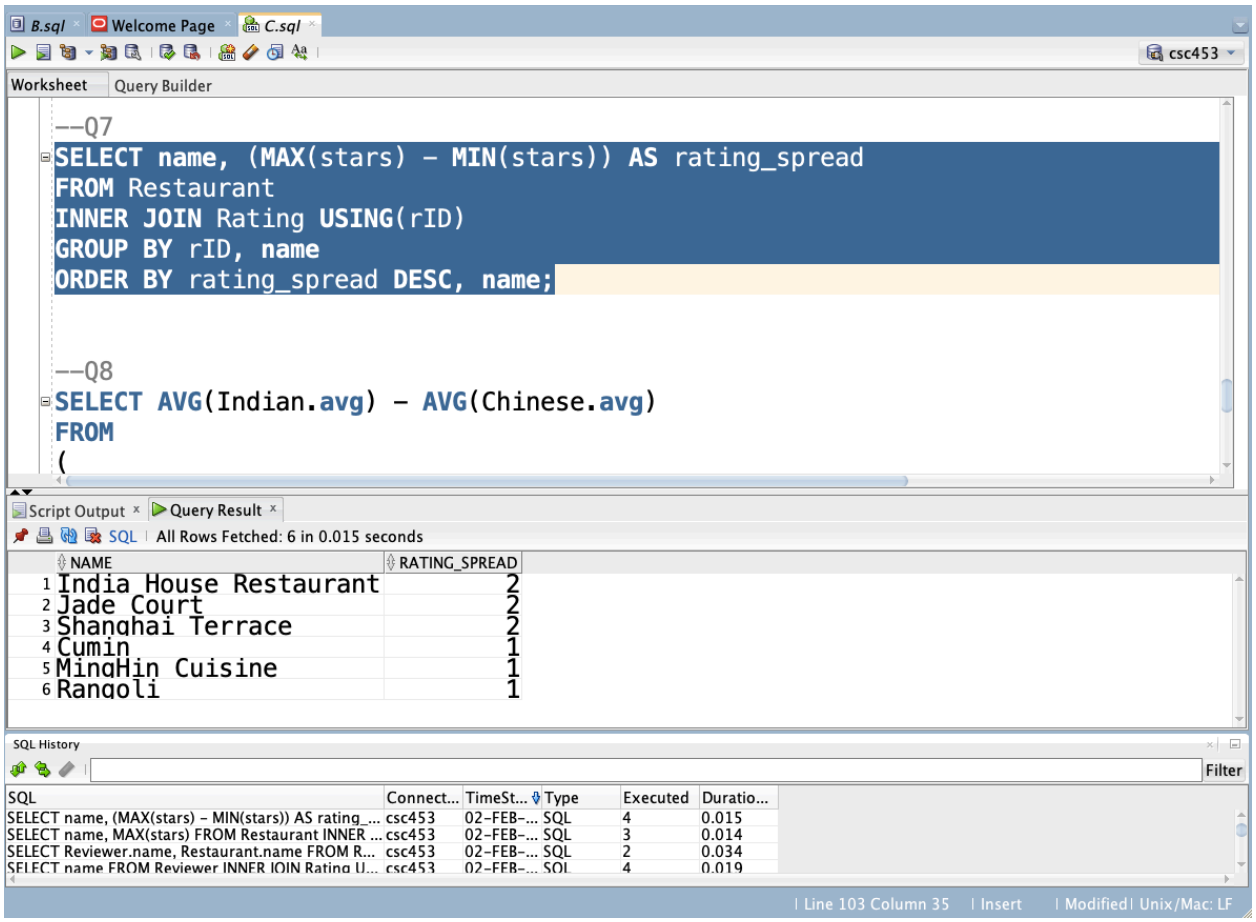
5. For all cases where the same reviewer rated the same restaurant twice and gave it a higher rating the second time, return the reviewer's name and the name of the restaurant.



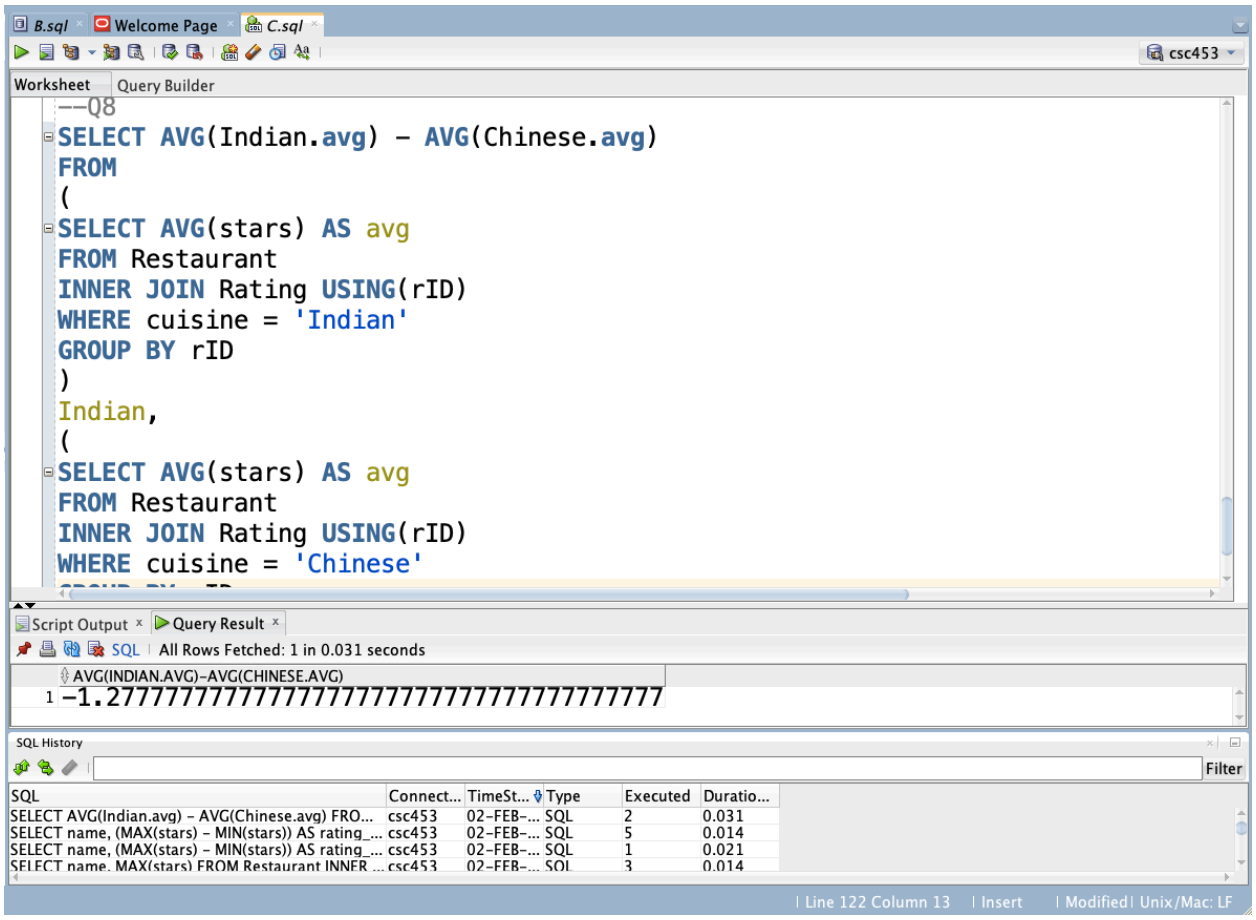
6. For each restaurant that has at least one rating, find the highest number of stars that a restaurant received. Return the restaurant name and number of stars. Sort by restaurant name.



7. For each restaurant, return the name and the 'rating spread', that is, the difference between highest and lowest ratings given to that restaurant. Sort by rating spread from highest to lowest, then by restaurant name.



8. Find the difference between the average rating of Indian restaurants and the average rating of Chinese restaurants. (Make sure to calculate the average rating for each restaurant, then the average of those averages for Indian and Chinese restaurants. Don't just calculate the overall average rating for Indian and Chinese restaurants.) Note: The difference can be negative.


B.sql
Welcome Page
C.sql
csc453
Worksheet
Query Builder
--Q8
SELECT AVG(Indian.avg) - AVG(Chinese.avg)
FROM
(
SELECT AVG(stars) AS avg
FROM Restaurant
INNER JOIN Rating USING(rID)
WHERE cuisine = 'Indian'
GROUP BY rID
)
Indian,
(
SELECT AVG(stars) AS avg
FROM Restaurant
INNER JOIN Rating USING(rID)
WHERE cuisine = 'Chinese'
Script Output
Query Result
SQL | All Rows Fetched: 1 in 0.031 seconds
AVG(INDIAN.AVG)-AVG(CHINESE.AVG)
1 -1.277777777777777777777777777777777777777
SQL History
Filter
SQL
Connect...
TimeSt...
Type
Executed
Duratio...
SELECT AVG(Indian.avg) - AVG(Chinese.avg) FRO...
csc453
02-FEB-...
SQL
2
0.031
SELECT name, (MAX(stars) - MIN(stars)) AS rating_...
csc453
02-FEB-...
SQL
5
0.014
SELECT name, (MAX(stars) - MIN(stars)) AS rating_...
csc453
02-FEB-...
SQL
1
0.021
SELECT name, MAX(stars) FROM Restaurant INNER ...
csc453
02-FEB-...
SQL
3
0.014
Line 122 Column 13
Insert
Modified
Unix/Mac: LF