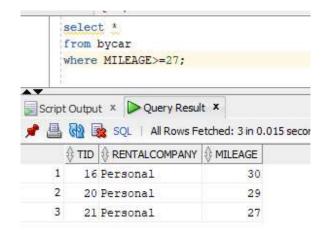
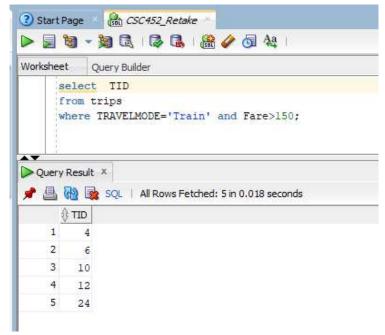
Part A Question 1

[1pt] List car rental companies which have a mileage of at least 27 miles/gallon.

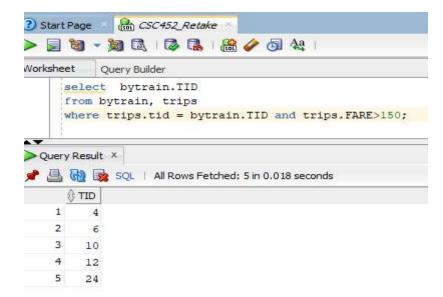


Question 2

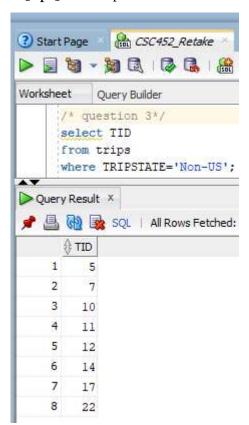
[1pt] List trip IDs taken on train costing strictly more than \$150.



OR



1. [1pt] Find trip IDs and their fare that are not taken in the US i.e., `Non-US` trips.

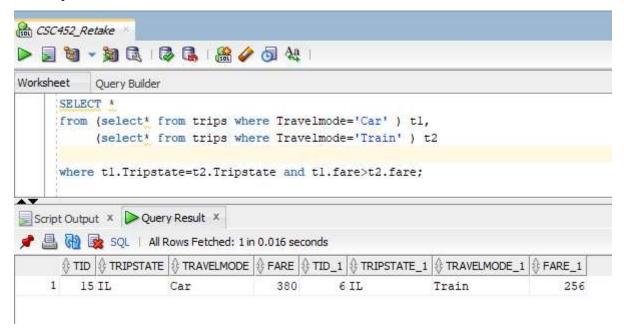


Question 4

[1pt] Find the business class plane trip IDs that are greater than \$1000.

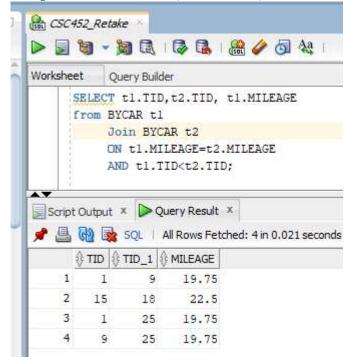


[2pt] Find any car trip more expensive than a trip taken on a train in the same state or outside the country.

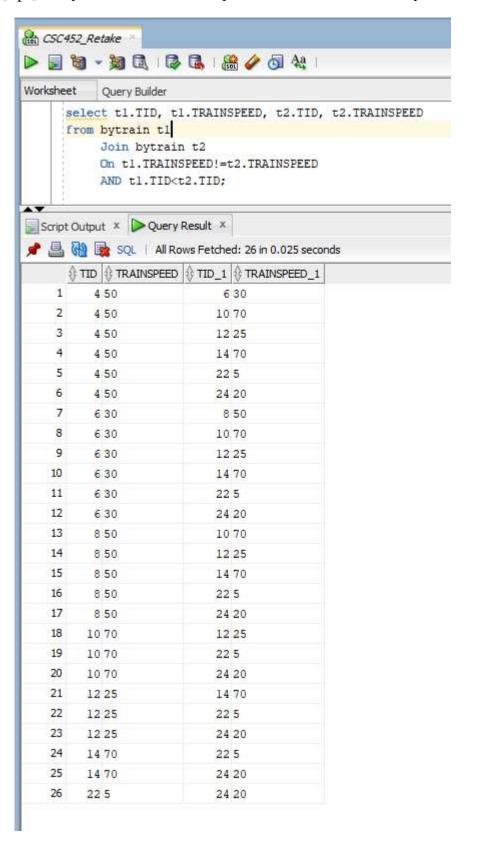


Question 6

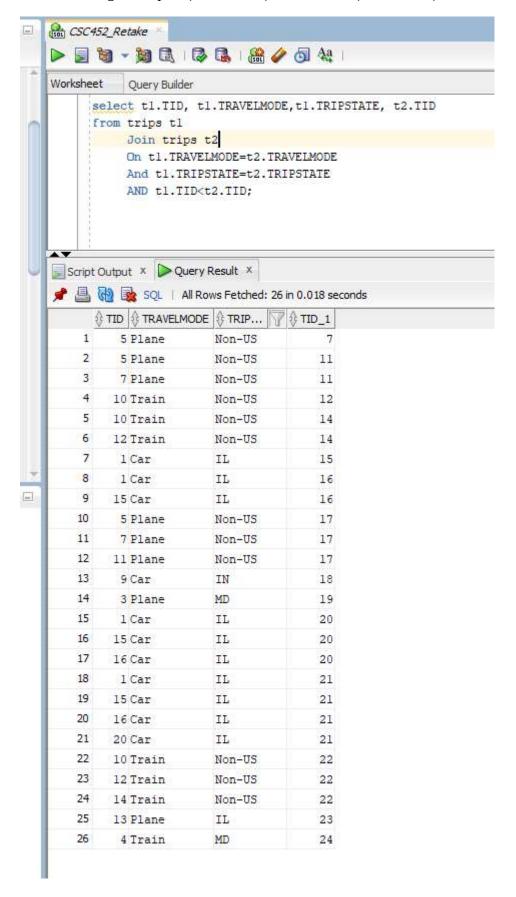
[2pt] List pairs of distinct trips that have exactly the same value of mileage. **Note a pair of distinct trips is of the format: (TID1, TID2).This distinct pair is not the same as the pair (TID2, TID1)**



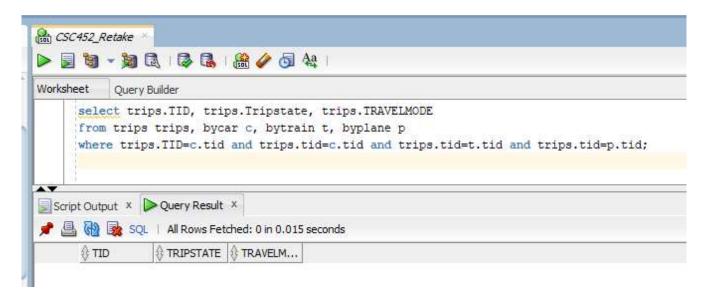
Question 7 [2pt] List pairs of distinct train trips that do not have the same speed.



[2pt] Find those pair of trips in the same state with the same mode of travel. List such pairs only once. In other words, given a pair (TID1,TID2) do NOT list (TID2,TID1).

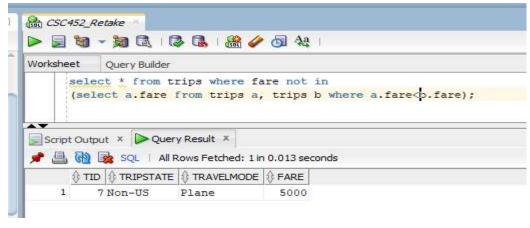


[4ptFind a state in which trips have been taken by all three modes of transportation: train, plane, and



Question 10

[4pt] Find the details of a) the most costly trip, b) the cheapest trip, taken by either the car, train, or plane. Write two separate queries for (a) and (b). Write the last query as a self-join with basic SQL operators (Filter, Project, Rename, Join (cross-join, natural join), Union, Intersect, and Difference). Do not use ALL, ANY, DISTINCT, GROUP BY, HAVING, MAX, MIN, ORDER BY. a)



b)

