Database Management Systems

PA3

Fall 2020

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CSCE 4523/5523: Database Management Systems  
Fall 2020  
Assignment Three  
Due: Thursday, Oct. 29, 2020 by 5:00 pm  
  
Each task carries 6 points.  You may refer to Oracle notes Part Three for help with this assignment.  Use joins instead of subqueries whenever possible.  Display only the required columns in the result.  
  
Run your queries in a terminal (for example: PuTTY) instead of on a web browser or a GUI interface.  Create a spool file to capture the output of your queries.  Name your spool file as your last name (for example, in my case, the file name should be “Panda”).  Submit your spool file (which must have the queries and their output) via Blackboard.  
  
Please check with me if you need further clarification on any of the following tasks or on the materials on Oracle notes.  
  
Tasks:  
  
1.  For every make of vehicle, print the make, total number of vehicles having that make, and the minimum and maximum rental costs of that make.  
  
2.  For every customer who has ever rented a vehicle, print the customer's name, the make, model, checkout date, and return date.  If a customer has rented multiple times, there should be a row for each of his/her rental.  
  
3.  For each Honda that was ever rented, print the lic\_no, model, checkout date, and total miles driven during that rental period. The output must appear in descending order of checkout date.  
  
4.  For every vehicle, find the number of times it was rented.  The output should show the lic\_no and the rental count. If a vehicle was never rented, the lic\_no should be there in the output; but the count value should be absent.  
  
5.  Print the names of customers who have always rented the vehicle having the highest per day rental cost.  
  
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Hello class,  
  
I just wanted to repeat what I had mentioned in class on Thursday regarding tasks 3 and 5.  In case of task 3, consider only the vehicles that have been rented and returned.  In case of task 5, assume there is exactly one vehicle in the database having the highest per day rental cost.  
  
-- Panda