MSDA 652- Homework 3 – Matt Harrington

SQL Part 2 subqueries

 1.Write a query to find the number of cars that have both never been test driven AND never been sold.

SELECT COUNT(vin) as 'Cars Not Tested Nor Purchased'

FROM car\_cars

WHERE vin NOT in

(SELECT vin

FROM car\_purchases

)

AND vin NOT in

(SELECT vin

FROM car\_try\_out)

 2.Write a query to display the names of faculty who are teaching courses that are 4 credit hours.

SELECT fname as 'First Name', lname as 'Last Name'

FROM university\_faculty

WHERE fid in

(SELECT fid

FROM university\_classes

WHERE c\_num in

(SELECT c\_num

FROM university\_courses

WHERE credit\_hrs LIKE '4'

)

)

 3.List the titles of videos in which Bradd Pit acted in.

SELECT title

FROM video\_video

WHERE isbn in

(SELECT isbn

FROM video\_act\_in

WHERE act\_id in

(SELECT act\_id

FROM video\_actor

WHERE first like 'Bradd'

AND last like 'Pit'

)

)

 4.Display the customer id, first name and last name of all customers in the cars database, who were involved in more than one purchase.

SELECT cus\_id, cus\_first, cus\_last

FROM car\_customer

WHERE cus\_id in

(SELECT cus\_id

FROM car\_purchases

GROUP BY cus\_id

HAVING count(cus\_id) >1

)

 5.Write a query to list all the customers (cus\_id, cus\_first, cus\_last) who have purchased a car that is red in color.

SELECT cus\_id, cus\_first, cus\_last

FROM car\_customer

WHERE cus\_id in

(SELECT cus\_id

FROM car\_purchases

WHERE vin in

(SELECT vin

FROM car\_cars

WHERE color like 'RED'

)

)