Database Systems

CMPT 308

- Lab 5: SQL Queries - The Joins Three-quel - 10 points —

Goals	• Write some very interesting SQL queries and work a little harder for the lab points.	
Before you begin	Check that your instance of our beloved CAP database is exactly the same as mine in the script on our class web site.	e
Instructions	Use CAP to write queries that answer all of these questions. Remember to end each quer with a semi-colon and to label each query with the question number in a comment.	ry
	 Show all the People data (and only people data) for people who are customers. Use joins this time; no subqueries. 	
	 Show all the People data (and only the people data) for people who are agents. Use joins this time; no subqueries. 	
	3. Show all People and Agent data for people who are both customers and agents. Use joins this time; no subqueries.	
	4. Show the first name of customers who have never placed an order. Use subqueries.	
	5. Show the first name of customers who have never placed an order. Use one inner and one outer join.	d
	6. Show the id and commission percent of Agents who booked an order for the Customer whose id is 008, sorted by commission percent from high to low. Use joins no subqueries.	;
	7. Show the last name, home city, and commission percent of Agents who booked an order for the customer whose id is 001, sorted by commission percent from high to low. Use joins.	
	8. Show the last name and home city of customers who live in the city that makes the fewest different kinds of products. (Hint: Use <i>count</i> and <i>group by</i> on the Products table. You may need <i>limit</i> as well.)	
	9. Show the name and id of all Products ordered through any Agent who booked at leas one order for a Customer in Arlington, sorted by product name from A to Z. You can use joins or subqueries. Better yet, impress me by doing it both ways.	st
	10. Show the first and last name of customers and agents living in the same city, along with the name of their shared city. (Living in a city with yourself does not count, so exclude those from your results.)	
Advice	Test, test, and test again. Then test some more. When you think you've tested enough, go back and keep testing. Then get someone else to test for you while you test theirs.)
	Push your work to your GitHub repository early and often. Be sure to write meaningful commit messages.	
Resources	 Chapters 6.1 - 6.4 in our text, especially 6.3.6 through 6.3.8 and 6.4 SQL tag at Stack Overflow - http://stackoverflow.com/questions/tagged/sql 	
Submitting	Submit your work as a text file with a <i>.sql</i> extension. Push your work to your GitHub repository before the due date (see syllabus).	
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