Lab Assignment No-03

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Class: TE-Comps B	Batch: B3
Date of Experiment: 28/07/2020	Date of Submission: 24/11/2020
Grade:	

1. Write a query to display the last_name and department_name of all the employees. (use equal join)

2 from EMPLOYEES E, D 3 WHERE E.DEPARTMENT_	ID = D.DEPARTMENT_ID;
	A
LAST_NAME	DEPARTMENT_NAME
cing	Executive
Kochhar	Executive
De Haan	Executive
Hunold	IT
Ernst	IT
Lorentz	IT
Mourgos	Shipping
Rajs	Shipping
Davies	Shipping
latos	Shipping
/argas	Shipping
Zlotkey	Sales
Abel	Sales
Taylor	Sales
Mhalen	Administration
Hartstein	Marketing
Fay	Marketing
Higgins	Accounting
Sietz	Accounting

- 2. Write a query to perform a CROSS JOIN of the tables EMPLOYEES and DEPARTMENTS
- 1 SELECT EMPLOYEE_ID, E.DEPARTMENT_ID, D.DEPARTMENT_NAME 2 FROM EMPLOYEES E CROSS JOIN DEPARTMENTS D;

EMPLOYEE_ID	DEPARTMENT_ID	DEPARTMENT_NAME	
90	90	Marketing	
01	90	Marketing	
.02	90	Marketing	
.03	60	Marketing	
.04	60	Marketing	
.07	60	Marketing	
.24	50	Marketing	
41	50	Marketing	
.42	50	Marketing	
.43	50	Marketing	
.44	50	Marketing	
.49	80	Marketing	
.74	80	Marketing	
.76	80	Marketing	
.78	353	Marketing	
100	10	Marketing	
101	20	Marketing	
102	20	Marketing	
105	110	Marketing	
106	110	Marketing	
.00	90	Administration	
.01	90	Administration	
.02	90	Administration	
.03	60	Administration	

-1	SELECT	EMDI OVEE	TD	F DEDADTMENT	TD	D.DEPARTMENT_	MAME
1	SELECT	LINELUTEL	LU,	L. DEFARTHENT	LU,	D. DEFARTMENT	DIMENT

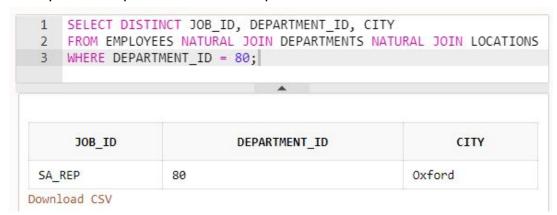
2	FROM	EMPLOYEES	E	CROSS	JOIN	DEPARTMENTS	D;	ā
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100	90	Administration		
101	90	Administration		
102	90	Administration		
103	60	Administration		
104	60	Administration		
107	60	Administration		
124	50	Administration		
141	50	Administration		
142	50	Administration		
143	50	Administration		
144	50	Administration		
149	80	Administration		
174	80	Administration		
176	80	Administration		
178	853	Administration		
200	10	Administration		
201	20	Administration		
202	20	Administration		
205	110	Administration		
206	110	Administration		
100	90	Shipping		
101	90	Shipping		
102	90	Shipping		
103	60	Shipping		
104	60	Shipping		
107	60	Shipping		
124	50	Shipping		
141	50	Shipping		
142	50	Shipping		
143	50	Shipping		

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Rows 1 - 50. More rows exist.

3. Create a unique listing of all job_id's that are in department 80. Include the City of the department in the output. (use natural Join)



4. Write a query to perform a LEFT OUTER Join on the tables EMPLOYEES and DEPARTMENTS

EMPLOYEE_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID			
201	20	Marketing	201			
202	20	Marketing	201			
200	10	Administration	200			
124	50	Shipping	124			
141	50	Shipping	124			
142	50	Shipping	124			
143	50	Shipping	124			
144	50	Shipping	124			
103	60	IT	103			
104	60	IT	103			
107	60	IT	103			
149	80	Sales	149			
174	80	Sales	149			
176	80	Sales	149			
100	90	Executive	100			
101	90	Executive	100			
102	90	Executive	100			
205	110	Accounting	205			
206	110	Accounting	205			

5. Write a query to perform a RIGHT OUTER Join on the tables EMPLOYEES and DEPARTMENTS

- 1 SELECT E.EMPLOYEE_ID, E.DEPARTMENT_ID, D.DEPARTMENT_NAME, D.MANAGER_ID
- 2 FROM EMPLOYEES E RIGHT OUTER JOIN DEPARTMENTS D
- 3 ON (E.DEPARTMENT_ID = D.DEPARTMENT_ID);

EMPLOYEE_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID
100	90	Executive	100
101	90	Executive	100
102	90	Executive	100
103	60	IT	103
104	60	IT	103
107	60	IT	103
124	50	Shipping	124
141	50	Shipping	124
142	50	Shipping	124
143	50	Shipping	124
144	50	Shipping	124
149	80	Sales	149
174	80	Sales	149
176	80	Sales	149
200	10	Administration	200
201	20	Marketing	201
202	20	Marketing	201
205	110	Accounting	205
206	110	Accounting	205
(-)	-	Contracting	(-)

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20 rows selected.

6. Write a query to perform a FULL OUTER Join on the tables EMPLOYEES and DEPARTMENTS

- 1 SELECT E.EMPLOYEE_ID, E.DEPARTMENT_ID, D.DEPARTMENT_NAME, D.MANAGER_ID
- 2 FROM EMPLOYEES E FULL OUTER JOIN DEPARTMENTS D
- 3 ON (E.DEPARTMENT ID = D.DEPARTMENT ID);

EMPLOYEE_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	
100	90	Executive	100	
.01	90	Executive	100	
.02	90	Executive	100	
.03	60	IT	103	
.04	60	IT	103	
.07	60	IT	103	
.24	50	Shipping	124	
41	50	Shipping	124	
42	50	Shipping	124	
.43	50	Shipping	124	
.44	50	50 Shipping		
.49	80	Sales		
.74	80	Sales	149	
.76	80	Sales	149	
.78	<u>-</u>	¥	4)	
00	10	Administration	200	
01	20	Marketing	201	
02	20	Marketing	201	
05	110	Accounting	205	
.06	110	Accounting	205	
2	2	Contracting	28	

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21 rows selected.