

SUBCONSULTAS

SELECT * FROM EMPLOYEES WHERE DEPARTMENT_ID=(SELECT DEPARTMENT_ID FROM EMPLOYEES WHERE FIRST_NAME='John' and LAST_NAME='Chen');

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	108	Nancy	Greenberg	NGREENBE	515.124.4569	17/08/02	FI_MGR	12008	(null)	101	100
2	109	Daniel	Faviet	DFAVIET	515.124.4169	16/08/02	FI_ACCOUNT	9000	(null)	108	100
3	110	John	Chen	JCHEN	515.124.4269	28/09/05	FI_ACCOUNT	8200	(null)	108	100
4	111	Ismael	Sciarra	ISCIARRA	515.124.4369	30/09/05	FI_ACCOUNT	7700	(null)	108	100
5	112	Jose Manuel	Urman	JMURMAN	515.124.4469	07/03/06	FI_ACCOUNT	7800	(null)	108	100
6	113	Luis	Popp	LPOPP	515.124.4567	07/12/07	FI_ACCOUNT	6900	(null)	108	100

SELECT * FROM DEPARTMENTS JOIN LOCATIONS USING(LOCATION_ID) WHERE CITY = 'Toronto'

LOCATION_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	STREET_ADDRESS	POSTAL_CODE	CITY	STATE_PROVINCE	COUNTRY_ID
1	1800	20 Marketing		201 147 Spadina Ave MSV 2L7		Toronto	Ontario	CA

SELECT * FROM EMPLOYEES a WHERE (SELECT COUNT(*) FROM EMPLOYEES b WHERE a.EMPLOYEE_ID= b.MANAGER_ID)>5;

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	100	Steven	King	SKING	515.123.4567	17/06/03	AD_PRES	24000	(null)	(null)	90
2	120	Matthew	Weiss	MWEISS	650.123.1234	18/07/04	ST_MAN	8000	(null)	100	50
3	121	Adam	Fripp	AFRIPP	650.123.2234	10/04/05	ST_MAN	8200	(null)	100	50
4	122	Payam	Kaufling	PKAUFLIN	650.123.3234	01/05/03	ST_MAN	7900	(null)	100	50
5	123	Shanta	Vollman	SVOLLMAN	650.123.4234	10/10/05	ST_MAN	6500	(null)	100	50
6	124	Kevin	Mourgos	KMOURGOS	650.123.5234	16/11/07	ST_MAN	5800	(null)	100	50
7	145	John	Russell	JRUSSEL	011.44.1344.429268	01/10/04	SA_MAN	14000	0,4	100	80
8	146	Karen	Partners	KPARTNER	011.44.1344.467268	05/01/05	SA_MAN	13500	0,3	100	80
9	147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	10/03/05	SA_MAN	12000	0,3	100	80
10	148	Gerald	Cambraut	GCAMBRAU	011.44.1344.619268	15/10/07	SA_MAN	11000	0,3	100	80
11	149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	29/01/08	SA_MAN	10500	0,2	100	80

SELECT CITY FROM EMPLOYEES JOIN DEPARTMENTS USING(DEPARTMENT_ID) JOIN LOCATIONS USING(LOCATION_ID) WHERE FIRST_NAME='Guy' AND LAST_NAME='Himuro';

CITY
1 Seattle

SELECT * FROM EMPLOYEES WHERE SALARY = (SELECT MIN(SALARY) FROM EMPLOYEES);

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID	
1	132	TJ	Olson	TJOLSON	650.124.8234	10/04/07	ST_CLERK	2100	(null)	121	50

SELECT * FROM DEPARTMENTS WHERE DEPARTMENT_ID= ANY(SELECT DEPARTMENT_ID
FROM EMPLOYEES GROUP BY DEPARTMENT_ID HAVING MAX(SALARY)>10000);

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
20	Marketing	201	1800
30	Purchasing	114	1700
80	Sales	145	2500
90	Executive	100	1700
100	Finance	108	1700
110	Accounting	205	1700

SELECT * FROM JOBS WHERE JOB_ID = ANY(SELECT JOB_ID FROM EMPLOYEES WHERE
HIRE_DATE BETWEEN '01/01/2002' AND '31/12/2003');

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
1 AC_ACCOUNT	Public Accountant	4200	9000
2 AC_MGR	Accounting Manager	8200	16000
3 AD_ASST	Administration Assistant	3000	6000
4 AD_PRE	President	20080	40000
5 FI_ACCOUNT	Accountant	4200	9000
6 FI_MGR	Finance Manager	8200	16000
7 HR_REP	Human Resources Representative	4000	9000
8 PR_REP	Public Relations Representative	4500	10500
9 PU_CLERK	Purchasing Clerk	2500	5500
10 PU_MAN	Purchasing Manager	8000	15000
11 ST_CLERK	Stock Clerk	2008	5000
12 ST_MAN	Stock Manager	5500	8500

/*****Otras subconsultas*****/

SELECT FIRST_NAME, SALARY, DEPARTMENT_ID FROM EMPLOYEES WHERE SALARY >
ANY(SELECT MAX(SALARY) FROM EMPLOYEES WHERE DEPARTMENT_ID IN ('50','60','70')
GROUP BY DEPARTMENT_ID);

	FIRST_NAME	SALARY	DEPARTMENT_ID
1	Steven	24000	90
2	Neena	17000	90
3	Lex	17000	90
4	John	14000	80
5	Karen	13500	80
6	Michael	13000	20
7	Nancy	12008	100
8	Shelley	12008	110
9	Alberto	12000	80
10	Lisa	11500	80
11	Den	11000	30
12	Gerald	11000	80

SELECT DEPARTMENT_NAME FROM DEPARTMENTS WHERE DEPARTMENT_ID IN (SELECT DEPARTMENT_ID FROM EMPLOYEES GROUP BY DEPARTMENT_ID HAVING AVG(SALARY) > 9000);

DEPARTMENT_NAME
1 Marketing
2 Public Relations
3 Executive
4 Accounting

SUBCONSULTA:

SELECT FIRST_NAME,DEPARTMENT_NAME,SALARY FROM EMPLOYEES JOIN DEPARTMENTS USING (DEPARTMENT_ID) WHERE (DEPARTMENT_ID,SALARY) IN(SELECT DEPARTMENT_ID,MAX(SALARY) FROM EMPLOYEES GROUP BY DEPARTMENT_ID) ORDER BY SALARY DESC;

SUBCONSULTA SINCRONIZADA:

SELECT FIRST_NAME, DEPARTMENT_NAME, SALARY FROM EMPLOYEES e JOIN DEPARTMENTS d ON e.DEPARTMENT_ID=d.DEPARTMENT_ID WHERE SALARY IN(SELECT MAX(SALARY) FROM EMPLOYEES WHERE DEPARTMENT_ID = e.DEPARTMENT_ID GROUP BY DEPARTMENT_ID) ORDER BY SALARY DESC;

FIRST_NAME	DEPARTMENT_NAME	SALARY
1 Steven	Executive	24000
2 John	Sales	14000
3 Michael	Marketing	13000
4 Nancy	Finance	12008
5 Shelley	Accounting	12008
6 Den	Purchasing	11000
7 Hermann	Public Relations	10000
8 Alexander	IT	9000
9 Adam	Shipping	8200
10 Susan	Human Resources	6500
11 Jennifer	Administration	4400

SELECT * FROM EMPLOYEES WHERE SALARY > ALL(SELECT SALARY FROM EMPLOYEES WHERE DEPARTMENT_ID=100);

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	201 Michael	Hartstein	MHARTSTE	515.123.5555	17/02/04	MK_MAN	13000	(null)	100	20
2	146 Karen	Partners	KPARTNER	011.44.1344.467268	05/01/05	SA_MAN	13500	0,3	100	80
3	145 John	Russell	JRUSSEL	011.44.1344.429268	01/10/04	SA_MAN	14000	0,4	100	80
4	102 Lex	De Haan	LDEHAAN	515.123.4569	13/01/01	AD_VP	17000	(null)	100	90
5	101 Neena	Kochhar	NKOCHHAR	515.123.4568	21/09/05	AD_VP	17000	(null)	100	90
6	100 Steven	King	SKING	515.123.4567	17/06/03	AD_PRES	24000	(null)	(null)	90

SELECT CITY FROM LOCATIONS l WHERE EXISTS(SELECT * FROM DEPARTMENTS WHERE LOCATION_ID=l.LOCATION_ID);

	CITY
1	Southlake
2	South San Francisco
3	Seattle
4	Toronto
5	London
6	Oxford
7	Munich

SELECT REGION_NAME FROM REGIONS r WHERE NOT EXISTS(SELECT * FROM countries NATURAL JOIN LOCATIONS NATURAL JOIN DEPARTMENTS WHERE REGION_ID=r.REGION_ID);

	REGION_NAME
1	Asia
2	Middle East and Africa