

UNIONES-JOINS

/*****1. Joins-Natural-Using-On*****/

SELECT COUNTRY_NAME, REGION_NAME FROM COUNTRIES NATURAL JOIN REGIONS;

	COUNTRY_NAME	REGION_NAME
4	Denmark	Europe
5	Belgium	Europe
6	Switzerland	Europe
7	Italy	Europe
8	Germany	Europe
9	United States of America	Americas
10	Canada	Americas
11	Mexico	Americas
12	Brazil	Americas
13	Argentina	Americas
14	Malaysia	Asia
15	Japan	Asia
16	India	Asia
17	China	Asia
18	Australia	Asia
19	Singapore	Asia
20	Israel	Middle East and Africa
21	Zambia	Middle East and Africa

SELECT CITY, COUNTRY_NAME, REGION_NAME FROM LOCATIONS NATURAL JOIN COUNTRIES
NATURAL JOIN REGIONS;

	CITY	COUNTRY_NAME	REGION_NAME
1	Roma	Italy	Europe
2	Venice	Italy	Europe
3	London	United Kingdom	Europe
4	Oxford	United Kingdom	Europe
5	Stretford	United Kingdom	Europe
6	Munich	Germany	Europe
7	Geneva	Switzerland	Europe
8	Bern	Switzerland	Europe
9	Utrecht	Netherlands	Europe
10	Southlake	United States of America	Americas
11	South San Francisco	United States of America	Americas
12	South Brunswick	United States of America	Americas
13	Seattle	United States of America	Americas
14	Toronto	Canada	Americas
15	Whitehorse	Canada	Americas
16	Sao Paulo	Brazil	Americas
17	Mexico City	Mexico	Americas
18	Tokyo	Japan	Asia

SELECT ROUND(AVG(SALARY),2),DEPARTMENT_NAME FROM EMPLOYEES JOIN DEPARTMENTS
USING(DEPARTMENT_ID) GROUP BY DEPARTMENT_NAME;

	ROUND(AVG(SALARY),2)	DEPARTMENT_NAME
1	4400	Administration
2	9500	Marketing
3	4150	Purchasing
4	6500	Human Resources
5	3475,56	Shipping
6	5760	IT
7	10000	Public Relations
8	8955,88	Sales
9	19333,33	Executive
10	8601,33	Finance
11	10154	Accounting

SELECT DEPARTMENT_NAME, FIRST_NAME, CITY FROM DEPARTMENTS d JOIN EMPLOYEES e
ON d.manager_id=e.employee_id join LOCATIONS using(LOCATION_ID);

	DEPARTMENT_NAME	FIRST_NAME	CITY
1	Executive	Steven	Seattle
2	IT	Alexander	Southlake
3	Finance	Nancy	Seattle
4	Purchasing	Den	Seattle
5	Shipping	Adam	South San Francisco
6	Sales	John	Oxford
7	Administration	Jennifer	Seattle
8	Marketing	Michael	Toronto
9	Human Resources	Susan	London
10	Public Relations	Hermann	Munich
11	Accounting	Shelley	Seattle

SELECT JOB_TITLE, DEPARTMENT_NAME, LAST_NAME, HIRE_DATE FROM EMPLOYEES join
DEPARTMENTS USING(DEPARTMENT_ID) join JOBS using(JOB_ID) WHERE HIRE_DATE
BETWEEN '01/01/2000' AND '31/12/2004' ;

	JOB_TITLE	DEPARTMENT_NAME	LAST_NAME	HIRE_DATE
1	Administration Assistant	Administration	Whalen	17/09/03
2	Marketing Manager	Marketing	Hartstein	17/02/04
3	Purchasing Clerk	Purchasing	Khoo	18/05/03
4	Purchasing Manager	Purchasing	Raphaely	07/12/02
5	Human Resources Representative	Human Resources	Mavris	07/06/02
6	Shipping Clerk	Shipping	Bell	04/02/04
7	Shipping Clerk	Shipping	Sarchand	27/01/04
8	Stock Clerk	Shipping	Rajs	17/10/03
9	Stock Clerk	Shipping	Ladwig	14/07/03
10	Stock Clerk	Shipping	Mallin	14/06/04
11	Stock Manager	Shipping	Kaufling	01/05/03
12	Stock Manager	Shipping	Weiss	18/07/04
13	Public Relations Representative	Public Relations	Baer	07/06/02
14	Sales Manager	Sales	Russell	01/10/04
15	Sales Representative	Sales	Abel	11/05/04
16	Sales Representative	Sales	Sully	04/03/04
17	Sales Representative	Sales	King	30/01/04
18	Sales Representative	Sales	McEwen	01/08/04

SELECT JOB_TITLE, AVG(SALARY) FROM EMPLOYEES JOIN JOBS USING(JOB_ID) GROUP BY
JOB_TITLE;

	JOB_TITLE	AVG(SALARY)
1	Public Accountant	8300
2	Accounting Manager	12008
3	Administration Assistant	4400
4	President	24000
5	Administration Vice President	17000
6	Accountant	7920
7	Finance Manager	12008
8	Human Resources Representative	6500
9	Programmer	5760
10	Marketing Manager	13000
11	Marketing Representative	6000
12	Public Relations Representative	10000
13	Purchasing Clerk	2780
14	Purchasing Manager	11000
15	Sales Manager	12200
16	Sales Representative	8350
17	Shipping Clerk	3215
18	Stock Clerk	2785

```
SELECT COUNT(*),REGION_NAME FROM DEPARTMENTS JOIN LOCATIONS
USING(LOCATION_ID) JOIN COUNTRIES USING(COUNTRY_ID) JOIN REGIONS
USING(REGION_ID) GROUP BY REGION_NAME;
```

	COUNT(*)	REGION_NAME
1	24	Americas
2	3	Europe

```
SELECT FIRST_NAME, DEPARTMENT_NAME, COUNTRY_NAME FROM EMPLOYEES JOIN
DEPARTMENTS USING (DEPARTMENT_ID) JOIN LOCATIONS USING(LOCATION_ID) JOIN
COUNTRIES USING(COUNTRY_ID) ORDER BY FIRST_NAME ASC;
```

	FIRST_NAME	DEPARTMENT_NAME	COUNTRY_NAME
83	Randall	Shipping	United States of America
84	Renske	Shipping	United States of America
85	Samuel	Shipping	United States of America
86	Sarah	Shipping	United States of America
87	Sarath	Sales	United Kingdom
88	Shanta	Shipping	United States of America
89	Shelley	Accounting	United States of America
90	Shelli	Purchasing	United States of America
91	Sigal	Purchasing	United States of America
92	Stephen	Shipping	United States of America
93	Steven	Executive	United States of America
94	Steven	Shipping	United States of America
95	Sundar	Sales	United Kingdom
96	Sundita	Sales	United Kingdom
97	Susan	Human Resources	United Kingdom
98	Taylor	Sales	United Kingdom
99	Timothy	Shipping	United States of America
100	TJ	Shipping	United States of America