

Oracle Database SQL 연습 문제

SELECT문(JOIN, SUBQUERY)

(EMPLOYEES 테이블 등 사용)

1. 2007년에 입사한 사원의 정보를 다음과 같이 출력하세요.

이름	입사년월	소속부서
James Landry	2007, 01	Shipping
Anthony Cabrio	2007, 02	Shipping
Diana Lorentz	2007, 02	IT
William Smith	2007, 02	Sales
Vance Jones	2007, 03	Shipping
Danielle Greene	2007, 03	Sales
Elizabeth Bates	2007, 03	Sales
TJ Olson	2007, 04	Shipping
Bruce Ernst	2007, 05	IT
Martha Sullivan	2007, 06	Shipping
Donald OConnell	2007, 06	Shipping
Karen Colmenares	2007, 08	Purchasing
Gerald Cambrault	2007, 10	Sales
Kevin Mourgous	2007, 11	Shipping
Oliver Tuvault	2007, 11	Sales
Luis Popp	2007, 12	Finance
Ki Gee	2007, 12	Shipping
Randall Perkins	2007, 12	Shipping

2. 107명의 모든 사원에 대해 다음과 같이 출력하세요.

❖ 국가	❖ 지정위치	❖ 소속부서	❖ 이름
Canada	Toronto	Marketing	Michael Hartstein
Canada	Toronto	Marketing	Pat Fay
Germany	Munich	Public Relations	Hermann Baer
United Kingdom	London	Human Resources	Susan Mavris
United Kingdom	Oxford	Sales	Alberto Errazuriz
United Kingdom	Oxford	Sales	Allan McEwen
United Kingdom	Oxford	Sales	Alyssa Hutton
United Kingdom	Oxford	Sales	Amit Banda
United Kingdom	Oxford	Sales	Charles Johnson
United Kingdom	Oxford	Sales	Christopher Olsen
United Kingdom	Oxford	Sales	Clara Vishney
United Kingdom	Oxford	Sales	Danielle Greene
United Kingdom	Oxford	Sales	David Bernstein
United Kingdom	Oxford	Sales	David Lee
United Kingdom	Oxford	Sales	Eleni Zlotkey
United Kingdom	Oxford	Sales	Elizabeth Bates
United Kingdom	Oxford	Sales	Ellen Abel
United Kingdom	Oxford	Sales	Gerald Cambrault
United Kingdom	Oxford	Sales	Harrison Bloom
United Kingdom	Oxford	Sales	Jack Livingston
United Kingdom	Oxford	Sales	Janette King
United Kingdom	Oxford	Sales	John Russell
United Kingdom	Oxford	Sales	Jonathon Taylor
United Kingdom	Oxford	Sales	Karen Partners
United Kingdom	Oxford	Sales	Kimberely Grant
United Kingdom	Oxford	Sales	Lindsey Smith
United Kingdom	Oxford	Sales	Lisa Ozer
United Kingdom	Oxford	Sales	Louise Doran
United Kingdom	Oxford	Sales	Mattea Marvins
United Kingdom	Oxford	Sales	Nanette Cambrault
United Kingdom	Oxford	Sales	Oliver Tuvault
United Kingdom	Oxford	Sales	Patrick Sully
United Kingdom	Oxford	Sales	Peter Hall
United Kingdom	Oxford	Sales	Peter Tucker
United Kingdom	Oxford	Sales	Sarath Sewall
United Kingdom	Oxford	Sales	Sundar Ande

국가	지정위치	소속부서	이름
United Kingdom	Oxford	Sales	Sundita Kumar
United Kingdom	Oxford	Sales	Tayler Fox
United Kingdom	Oxford	Sales	William Smith
United States of America	Seattle	Accounting	Shelley Higgins
United States of America	Seattle	Accounting	William Gietz
United States of America	Seattle	Administration	Jennifer Whalen
United States of America	Seattle	Executive	Lex De Haan
United States of America	Seattle	Executive	Neena Kochhar
United States of America	Seattle	Executive	Steven King
United States of America	Seattle	Finance	Daniel Faviot
United States of America	Seattle	Finance	Ismael Sciarra
United States of America	Seattle	Finance	John Chen
United States of America	Seattle	Finance	Jose Manuel Urman
United States of America	Seattle	Finance	Luis Popp
United States of America	Seattle	Finance	Nancy Greenberg
United States of America	Seattle	Purchasing	Alexander Khoo
United States of America	Seattle	Purchasing	Den Raphaely
United States of America	Seattle	Purchasing	Guy Himuro
United States of America	Seattle	Purchasing	Karen Colmenares
United States of America	Seattle	Purchasing	Shelll Baida
United States of America	Seattle	Purchasing	Sigal Tobias
United States of America	South ...	Shipping	Adam Fripp
United States of America	South ...	Shipping	Alana Walsh
United States of America	South ...	Shipping	Alexis Bull
United States of America	South ...	Shipping	Anthony Cabrio
United States of America	South ...	Shipping	Britney Everett
United States of America	South ...	Shipping	Curtis Davies
United States of America	South ...	Shipping	Donald OConnell
United States of America	South ...	Shipping	Douglas Grant
United States of America	South ...	Shipping	Girard Geoni
United States of America	South ...	Shipping	Hazel Philtanker
United States of America	South ...	Shipping	Irene Mikkilineni
United States of America	South ...	Shipping	James Landry
United States of America	South ...	Shipping	James Marlow
United States of America	South ...	Shipping	Jason Mallin
United States of America	South ...	Shipping	Jean Fleaur

❖ 국가	❖ 지정위치	❖ 소속부서	❖ 이름
United States of America	South ...	Shipping	Jennifer Dilly
United States of America	South ...	Shipping	John Seo
United States of America	South ...	Shipping	Joshua Patel
United States of America	South ...	Shipping	Julia Dellinger
United States of America	South ...	Shipping	Julia Nayer
United States of America	South ...	Shipping	Kelly Chung
United States of America	South ...	Shipping	Kevin Feeney
United States of America	South ...	Shipping	Kevin Mourgos
United States of America	South ...	Shipping	Ki Gee
United States of America	South ...	Shipping	Laura Bissot
United States of America	South ...	Shipping	Martha Sullivan
United States of America	South ...	Shipping	Matthew Weiss
United States of America	South ...	Shipping	Michael Rogers
United States of America	South ...	Shipping	Mozhe Atkinson
United States of America	South ...	Shipping	Nandita Sarchand
United States of America	South ...	Shipping	Payam Kaufling
United States of America	South ...	Shipping	Peter Vargas
United States of America	South ...	Shipping	Randall Matos
United States of America	South ...	Shipping	Randall Perkins
United States of America	South ...	Shipping	Renske Ladwig
United States of America	South ...	Shipping	Samuel McCain
United States of America	South ...	Shipping	Sarah Bell
United States of America	South ...	Shipping	Shanta Vollman
United States of America	South ...	Shipping	Stephen Stiles
United States of America	South ...	Shipping	Steven Markle
United States of America	South ...	Shipping	TJ Olson
United States of America	South ...	Shipping	Timothy Gates
United States of America	South ...	Shipping	Trenna Rajs
United States of America	South ...	Shipping	Vance Jones
United States of America	South ...	Shipping	Winston Taylor
United States of America	Southlake	IT	Alexander Hunold
United States of America	Southlake	IT	Bruce Ernst
United States of America	Southlake	IT	David Austin
United States of America	Southlake	IT	Diana Lorentz
United States of America	Southlake	IT	Valli Pataballa

3. 사원 전체 평균 급여의 1.5배보다 더 많은 급여를 받는 사원의 정보를 다음과 같이 출력하세요.

사원번호	이름	성	급여
100	Steven	King	24000
101	Neena	Kochhar	17000
102	Lex	De Haan	17000
108	Nancy	Greenberg	12008
114	Den	Raphaely	11000
145	John	Russell	14000
146	Karen	Partners	13500
147	Alberto	Errazuriz	12000
148	Gerald	Cambrault	11000
149	Eleni	Zlotkey	10500
150	Peter	Tucker	10000
156	Janette	King	10000
162	Clara	Vishney	10500
168	Lisa	Ozer	11500
169	Harrison	Bloom	10000
174	Ellen	Abel	11000
201	Michael	Hartstein	13000
204	Hermann	Baer	10000
205	Shelley	Higgins	12008

정답

(제시된 정답 외에도 다양한 방법으로 해결할 수 있습니다.)

1.

SELECT

E.FIRST_NAME||' '||E.LAST_NAME AS 이름,

TO_CHAR(E.HIRE_DATE, 'YYYY, MM') AS 입사년월,

D.DEPARTMENT_NAME AS 소속부서

FROM

EMPLOYEES E, DEPARTMENTS D

WHERE

E.DEPARTMENT_ID = D.DEPARTMENT_ID

AND

E.HIRE_DATE BETWEEN TO_DATE('07/01/01', 'YY/MM/DD') AND TO_DATE('07/12/31', 'YY/MM/DD')

ORDER BY HIRE_DATE;

등.

2.

SELECT

C.COUNTRY_NAME AS 국가,

L.CITY AS 지점위치,

D.DEPARTMENT_NAME AS 소속부서,

E.FIRST_NAME||' '||E.LAST_NAME AS 이름

FROM

EMPLOYEES E, DEPARTMENTS D, LOCATIONS L, COUNTRIES C

WHERE

NVL(E.DEPARTMENT_ID, 80) = D.DEPARTMENT_ID

AND

D.LOCATION_ID = L.LOCATION_ID

AND

L.COUNTRY_ID = C.COUNTRY_ID

ORDER BY 1, 2, 3, 4;

등.

3.

SELECT EMPLOYEE_ID AS 사원번호, FIRST_NAME AS 이름, LAST_NAME AS 성, SALARY AS 급여

FROM EMPLOYEES

WHERE SALARY > ((SELECT AVG(SALARY) FROM EMPLOYEES) * 1.5)

ORDER BY EMPLOYEE_ID;

등.