

Oracle Database SQL 연습 문제

SELECT문

(EMPLOYEES 테이블 사용)

1. 2007년 이후로 입사한 사원의 목록을 다음과 같이 출력하는 쿼리를 작성하세요.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE
127	James	Landry	07/01/14
107	Diana	Lorentz	07/02/07
187	Anthony	Cabrio	07/02/07
171	William	Smith	07/02/23
195	Vance	Jones	07/03/17
163	Danielle	Greene	07/03/19
172	Elizabeth	Bates	07/03/24
132	TJ	Olson	07/04/10
104	Bruce	Ernst	07/05/21
178	Kimberely	Grant	07/05/24
198	Donald	OConnell	07/06/21
182	Martha	Sullivan	07/06/21
119	Karen	Colmenares	07/08/10
148	Gerald	Cambrault	07/10/15
124	Kevin	Mourgos	07/11/16
155	Oliver	Tuvault	07/11/23
113	Luis	Popp	07/12/07
135	Ki	Gee	07/12/12
191	Randall	Perkins	07/12/19
179	Charles	Johnson	08/01/04
199	Douglas	Grant	08/01/13
164	Mattea	Marvins	08/01/24
149	Eleni	Zlotkey	08/01/29
183	Girard	Geoni	08/02/03
136	Hazel	Philtanker	08/02/06
165	David	Lee	08/02/23
128	Steven	Markle	08/03/08
166	Sundar	Ande	08/03/24
167	Amit	Banda	08/04/21
173	Sundita	Kumar	08/04/21

2. 2008년에 입사한 사원의 목록을 다음과 같이 출력하는 쿼리를 작성하세요.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE
179	Charles	Johnson	08/01/04
199	Douglas	Grant	08/01/13
164	Mattea	Marvins	08/01/24
149	Eleni	Zlotkey	08/01/29
183	Girard	Geoni	08/02/03
136	Hazel	Philtanker	08/02/06
165	David	Lee	08/02/23
128	Steven	Markle	08/03/08
166	Sundar	Ande	08/03/24
167	Amit	Banda	08/04/21
173	Sundita	Kumar	08/04/21

3. 모든 사원에 대해 근무일을 계산하여 다음과 같이 출력하는 쿼리를 작성하세요.

(실행 시점에 따라 출력 결과가 달라질 수 있습니다.)

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	WORKING_DATE
102	Lex	De Haan	01/01/13	7325
206	William	Gietz	02/06/07	6815
204	Hermann	Baer	02/06/07	6815
203	Susan	Mavris	02/06/07	6815
205	Shelley	Higgins	02/06/07	6815
109	Daniel	Faviet	02/08/16	6745
108	Nancy	Greenberg	02/08/17	6744
114	Den	Raphaely	02/12/07	6632
122	Payam	Kaufling	03/05/01	6487
115	Alexander	Khoo	03/05/18	6470
100	Steven	King	03/06/17	6440
137	Renske	Ladwig	03/07/14	6413
200	Jennifer	Whalen	03/09/17	6348
141	Trenna	Rajs	03/10/17	6318
184	Nandita	Sarchand	04/01/27	6216
156	Janette	King	04/01/30	6213
192	Sarah	Bell	04/02/04	6208
201	Michael	Hartstein	04/02/17	6195
157	Patrick	Sully	04/03/04	6179
174	Ellen	Abel	04/05/11	6111
133	Jason	Mallin	04/06/14	6077
120	Matthew	Weiss	04/07/18	6043
158	Allan	McEwen	04/08/01	6029
145	John	Russell	04/10/01	5968
146	Karen	Partners	05/01/05	5872
142	Curtis	Davies	05/01/29	5848
150	Peter	Tucker	05/01/30	5847
131	James	Marlow	05/02/16	5830
185	Alexis	Bull	05/02/20	5826
193	Britney	Everett	05/03/03	5815
147	Alberto	Errazuriz	05/03/10	5808
159	Lindsey	Smith	05/03/10	5808
168	Lisa	Ozer	05/03/11	5807
175	Alyssa	Hutton	05/03/19	5799
151	David	Bernstein	05/03/24	5794
121	Adam	Fripp	05/04/10	5777

4. 근무일이 5700일 이상, 6700일 이하인 사원을 다음과 같이 출력하는 쿼리를 작성하세요.

(실행 시점에 따라 출력 결과가 달라질 수 있습니다.)

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	WORKING_DATE
145	John	Russell	04/10/01	5968
146	Karen	Partners	05/01/05	5872
142	Curtis	Davies	05/01/29	5848
150	Peter	Tucker	05/01/30	5847
131	James	Marlow	05/02/16	5830
185	Alexis	Bull	05/02/20	5826
193	Britney	Everett	05/03/03	5815
147	Alberto	Errazuriz	05/03/10	5808
159	Lindsey	Smith	05/03/10	5808
168	Lisa	Ozer	05/03/11	5807
175	Alyssa	Hutton	05/03/19	5799
151	David	Bernstein	05/03/24	5794
121	Adam	Fripp	05/04/10	5777
188	Kelly	Chung	05/06/14	5712
105	David	Austin	05/06/25	5701

정답

(제시된 정답 외에도 다양한 방법으로 해결할 수 있습니다.)

1.

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, HIRE_DATE  
  
FROM EMPLOYEES  
  
WHERE HIRE_DATE > TO_DATE('07/01/01', 'YY/MM/DD')  
  
ORDER BY HIRE_DATE;
```

등.

2.

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, HIRE_DATE  
  
FROM EMPLOYEES  
  
WHERE HIRE_DATE BETWEEN TO_DATE('08/01/01', 'YY/MM/DD') AND TO_DATE('08/12/31',  
'YY/MM/DD')  
  
ORDER BY HIRE_DATE;
```

등.

3.

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, HIRE_DATE, ROUND(SYSDATE - HIRE_DATE, 0) AS  
WORKING_DATE  
  
FROM EMPLOYEES  
  
ORDER BY HIRE_DATE;등.
```

4.

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, HIRE_DATE, ROUND(SYSDATE - HIRE_DATE, 0) AS  
WORKING_DATE
```

FROM EMPLOYEES

WHERE ROUND(SYSDATE - HIRE_DATE, 0) BETWEEN 5700 AND 6000

ORDER BY HIRE_DATE;

등.