ชื่อ: รวิชญ์ พิบูลย์ศิลป์

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1. เขียนคำสั่ง SQL เรียกดูข้อมูล tit_id, tit_name, emp_id, emp_fname, emp_lname โดยที่ titles ต้องเป็นข้อมูลล่าสุดเท่านั้น

```
SELECT
    tit_id, tit_name, emp_id, emp_fname, emp_lname
FROM
    titles
        INNER JOIN
    emp_title ON emti_title_id = tit_id
        INNER JOIN
    employees ON emti_employee_id = emp_id
WHERE
    emti_to_date = (SELECT
            MAX(emti_to_date)
        FROM
            emp_title
        WHERE
            emp_id = emti_employee_id)
ORDER BY emp_id ASC
```

tit_id	tit_name	emp_id	emp_fname	emp_lname
4	Senior Engineer	10001	Georgi	Facello
6	Staff	10002	Bezalel	Simmel
4	Senior Engineer	10003	Parto	Bamford
4	Senior Engineer	10004	Chirstian	Koblick
5	Senior Staff	10005	Kyoichi	Maliniak
4	Senior Engineer	10006	Anneke	Preusig
5	Senior Staff	10007	Tzvetan	Zielinski
1	Assistant Engineer	10008	Saniya	Kalloufi
4	Senior Engineer	10009	Sumant	Peac
2	Engineer	10010	Duangkaew	Piveteau
6	Staff	10011	Mary	Sluis
4	Senior Engineer	10012	Patricio	Bridgland
5	Senior Staff	10013	Eberhardt	Terkki
2	Engineer	10014	Berni	Genin
5	Senior Staff	10015	Guoxiang	Nooteboom
6	Staff	10016	Kazuhito	Cappelletti
5	Senior Staff	10017	Cristinel	Bouloucos
4	Senior Engineer	10018	Kazuhide	Peha

2. เขียนคำสั่ง SQL เรียกดูข้อมูล sal_employee_id, emp_id, emp_fname, emp_lname, sal_salary
   โดยที่ salaries ต้องเป็นข้อมูลล่าสุดเท่านั้น

```
SELECT
    sal_employee_id, emp_id, emp_fname, emp_lname, sal_salary
FROM
    salaries
        INNER JOIN
    employees ON sal_employee_id = emp_id
WHERE
    sal_to_date = (SELECT
            MAX(sal_to_date)
        FROM
            salaries
        WHERE
            emp_id = sal_employee_id)
ORDER BY emp_id ASC
```

sal_employee_id	emp_id	emp_fname	emp_lname	sal_salary
10004	10004	Chirstian	Koblick	74057.00
10005	10005	Kyoichi	Maliniak	94692.00
10006	10006	Anneke	Preusig	59755.00
10007	10007	Tzvetan	Zielinski	88070.00
10008	10008	Saniya	Kalloufi	52668.00
10009	10009	Sumant	Peac	94409.00
10010	10010	Duangkaew	Piveteau	80324.00
10011	10011	Mary	Sluis	56753.00
10012	10012	Patricio	Bridgland	54423.00
10013	10013	Eberhardt	Terkki	68901.00
10014	10014	Berni	Genin	60598.00
10015	10015	Guoxiang	Nooteboom	40000.00
10016	10016	Kazuhito	Cappelletti	77935.00
10017	10017	Cristinel	Bouloucos	99651.00
10018	10018	Kazuhide	Peha	84672.00
10019	10019	Lillian	Haddadi	50032.00

3. เขียนคำสั่ง SQL เรียกดูข้อมูล dept_id, dept_name, emp_id, emp_fname, emp_lname โดยที่ departments ต้องเป็นข้อมูลล่าสุดเท่านั้น

```
SELECT
    dept_id, dept_name, emp_id, emp_fname, emp_lname
FROM
    employees
        INNER JOIN
    department_employee ON deem_employee_id = emp_id
        INNER JOIN
    departments ON dept_id = deem_department_id
WHERE
    deem_to_date = (SELECT
            MAX(deem_to_date)
        FROM
            department_employee
        WHERE
            emp_id = deem_employee_id)
ORDER BY emp_id ASC
```

dept_id	dept_name	emp_id	emp_fname	emp_lname
5	Development	10001	Georgi	Facello
7	Sales	10002	Bezalel	Simmel
4	Production	10003	Parto	Bamford
4	Production	10004	Chirstian	Koblick
3	Human Resources	10005	Kyoichi	Maliniak
5	Development	10006	Anneke	Preusig
8	Research	10007	Tzvetan	Zielinski
5	Development	10008	Saniya	Kalloufi
6	Quality Management	10009	Sumant	Peac
6	Quality Management	10010	Duangkaew	Piveteau
9	Customer Service	10011	Mary	Sluis

4. เขียนคำสั่ง SQL เรียกดูข้อมูล ro_id, ro_name, emp_id, emp_fname, emp_lname โดยที่ roles ต้องเป็นข้อมูลล่าสุดเท่านั้น

```
SELECT
    ro_id, ro_name, emp_id, emp_fname, emp_lname
FROM
    employees
        INNER JOIN
    department_employee ON deem_employee_id = emp_id
        INNER JOIN
    roles ON ro_id = deem_role_id
WHERE
    deem_to_date = (SELECT
            MAX(deem_to_date)
        FROM
            department_employee
        WHERE
            emp_id = deem_employee_id)
ORDER BY emp_id ASC
```

ro_id	ro_name	emp_id	emp_fname	emp_lname
1	Employee	10262	Mahendra	Maraist
1	Employee	10263	Takahiro	Waterhouse
1	Employee	10264	Nalini	Kawashimo
1	Employee	10265	Ramalingam	Muniz
1	Employee	10266	Sukumar	Rassart
1	Employee	10267	Shaunak	Cullers
1	Employee	10268	Nishit	Siochi
1	Employee	10269	Taizo	Oxman
1	Employee	10270	Bedir	Hartvigsen
1	Employee	10271	Sham	Eastman
1	Employee	10272	Yishai	Cannane

5. เขียนคำสั่ง SQL เรียกดูข้อมูล ทั้งหมดของ employees โดยเรียงข้อมูลจาก emp_hire_date และ emp_gender ให้ค่าที่เป็น F ขึ้นก่อน

SELECT

   *

FROM

   employees

ORDER BY emp_hire_date , emp_gender = 'F' DESC

emp_id	emp_birth_date	emp_fname	emp_lname	emp_gender	emp_hire_date
10550	1959-08-03	Manton	Leuchs	M	1985-02-03
10583	1964-03-03	Prasadram	Stille	F	1985-02-14
10195	1963-11-13	Annemarie	Redmiles	M	1985-02-15
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10137	1959-07-30	Maren	Hutton	M	1985-02-18
10253	1964-11-12	Zsolt	Salinas	F	1985-02-21
10535	1961-05-19	Shalesh	Stroustrup	F	1985-02-21
10048	1963-07-11	Florian	Syrotiuk	M	1985-02-24
10571	1963-12-10	Fun	Varman	M	1985-02-24
10905	1961-04-30	Jianhui	Aloia	M	1985-02-28
10351	1963-08-23	Tadahiko	Strehl	F	1985-03-07
10156	1964-09-19	Sumali	Fargier	M	1985-03-10
10739	1961-02-11	Gor	Iacovou	F	1985-03-12
10824	1958-09-20	Kirk	Kalsbeek	M	1985-03-18

6. เขียนคำสั่ง SQL เรียกดูข้อมูล ที่เกี่ยวข้องกับ employees ทั้งหมด ของ emp_id 10001

SELECT

    *

FROM

    employees

        INNER JOIN

    salaries ON emp_id = sal_employee_id

        INNER JOIN

    emp_title ON emp_id = emti_employee_id

        INNER JOIN

    department_employee ON emp_id = deem_employee_id

        INNER JOIN

    roles ON deem_role_id = ro_id

        INNER JOIN

    departments ON deem_department_id = dept_id

        INNER JOIN

    titles ON emti_title_id = tit_id

WHERE

    emp_id = 10001

emp_id	emp_birth_date	emp_fname	emp_lname	emp_gender	emp_hire_date	sal_employee_id	sal_salary	sal_from_date	sal_to_date	emti_employee_id	emti_from_date	emti_to_date	emti_title_id
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	60117.00	1986-06-26	1987-06-26	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	62102.00	1987-06-26	1988-06-25	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	66074.00	1988-06-25	1989-06-25	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	66596.00	1989-06-25	1990-06-25	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	66961.00	1990-06-25	1991-06-25	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	71046.00	1991-06-25	1992-06-24	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	74333.00	1992-06-24	1993-06-24	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	75286.00	1993-06-24	1994-06-24	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	75994.00	1994-06-24	1995-06-24	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	76884.00	1995-06-24	1996-06-23	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	80013.00	1996-06-23	1997-06-23	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	81025.00	1997-06-23	1998-06-23	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	81097.00	1998-06-23	1999-06-23	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	84917.00	1999-06-23	2000-06-22	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	85112.00	2000-06-22	2001-06-22	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	85097.00	2001-06-22	2002-06-22	10001	1986-06-26	9999-01-01	4
10001	1953-09-02	Georgi	Facello	M	1986-06-26	10001	88958.00	2002-06-22	9999-01-01	10001	1986-06-26	9999-01-01	4