EXERCISE (ANSWERS)

1. List all the employees, the department currently being or previously managed, and the date of assignment as manager (if they manage a department). Sort the list by the date of assignment as manager (latest assignment first). (Returns 300,326 rows)

```
15 ●   SELECT      s.emp_number, s.last_names, s.first_names,
16                 dm.dept_no, from_date, to_date
17     FROM        staff   s   LEFT JOIN   dept_manager dm ON  s.emp_number=dm.emp_no
18     ORDER BY    dm.from_date DESC, s.last_names, s.first_names;
19
```
100% ⇕ 48:20

Result Grid | Filter Rows: Q Search | Export: | Fetch rows:

emp_number	last_names	first_names	dept_no	from_date	to_date
▶ 110420	Ghazalie	Oscar	d004	1996-08-30	9999-01-01
111939	Weedman	Yuchang	d009	1996-01-03	9999-01-01
110854	Pesch	Dung	d006	1994-06-28	9999-01-01
111877	Spinelli	Xiaobin	d009	1992-09-08	1996-01-03
110386	Kieras	Shem	d004	1992-08-02	1996-08-30
110567	DasSarma	Leon	d005	1992-04-25	9999-01-01
110228	Sigstam	Karsten	d003	1992-03-21	9999-01-01
110039	Minakawa	Vishwani	d001	1991-10-01	9999-01-01
110800	Quadeer	Sanjoy	d006	1991-09-12	1994-06-28
111534	Kambil	Hilary	d008	1991-04-08	9999-01-01
111133	Zhang	Hauke	d007	1991-03-07	9999-01-01
110114	Legleitner	Isamu	d002	1989-12-17	9999-01-01
110765	Hofmeyr	Rutger	d006	1989-05-06	1991-09-12
111784	Giarratana	Marjo	d009	1988-10-17	1992-09-08
110344	Cools	Rosine	d004	1988-09-09	1992-08-02
110085	Alpin	Ebru	d002	1985-01-01	1989-12-17

2. List all the employees (employee number and complete name), and the titles they were assigned (if they were assigned titles). Sort the list such that employees without titles appear first and should they have titles, sort if by employee name). (Returns 443,310 rows)

```
24 ●   SELECT      s.emp_number, s.last_names, s.first_names, t.title
25     FROM        staff s LEFT JOIN   titles t    ON s.emp_number = t.emp_no
26     ORDER BY    t.title, s.last_names, s.first_names;
27
28
```
100% ⇕ 1:29

Result Grid | Filter Rows: Q Search | Export: | Fetch rows:

emp_number	last_names	first_names	title
▶ 999900	ALONZO	MATIAS	NULL
999901	ALONZO	MATIAS	NULL
258005	Aamodt	Adhemar	Assistant Engineer
293563	Aamodt	Dietrich	Assistant Engineer
107608	Aamodt	Gretta	Assistant Engineer
240075	Aamodt	Guther	Assistant Engineer
61477	Aamodt	Jenwei	Assistant Engineer
417278	Aamodt	Roselyn	Assistant Engineer
258861	Aamodt	Sigeru	Assistant Engineer
255282	Aamodt	Sumant	Assistant Engineer
59858	Aamodt	Tristan	Assistant Engineer
47143	Acton	Hideyuki	Assistant Engineer
42532	Acton	Jixiang	Assistant Engineer
471281	Acton	Leif	Assistant Engineer
50336	Acton	Odoardo	Assistant Engineer
461027	Acton	Raimond	Assistant Engineer

3. List all the departments (department name), and all the current and previous managers (employee number and date of assignment). Sort the list by department name and latest assignment first. (Returns 24 rows)

```
33 •  SELECT      d.dept_name, dm.emp_no, dm.from_date
34    FROM        departments d   JOIN     dept_manager dm ON  d.dept_no = dm.dept_no
35    ORDER BY    d.dept_name, dm.from_date DESC;
36
37
```

100%   1:38

Result Grid   Filter Rows: Q Search   Export:

dept_name	emp_no	from_date
Customer Service	111939	1996-01-03
Customer Service	111877	1992-09-08
Customer Service	111784	1988-10-17
Customer Service	111692	1985-01-01
Development	110567	1992-04-25
Development	110511	1985-01-01
Finance	110114	1989-12-17
Finance	110085	1985-01-01
Human Resources	110228	1992-03-21
Human Resources	110183	1985-01-01
Marketing	110039	1991-10-01
Marketing	110022	1985-01-01
Production	110420	1996-08-30
Production	110386	1992-08-02
Production	110344	1988-09-09
Production	110303	1985-01-01
Quality Management	110854	1994-06-28
Quality Management	110800	1991-09-12
Quality Management	110765	1989-05-06
Quality Management	110725	1985-01-01
Research	111534	1991-04-08
Research	111400	1985-01-01
Sales	111133	1991-03-07
Sales	111035	1985-01-01