



- select employees.\*, dept\_emp.dept\_no, departments.dept\_name from employees  
left join dept\_emp on employees.emp\_no=dept\_emp.emp\_no  
left join departments on dept\_emp.dept\_no=departments.dept\_no;

```
mysql> select employees.*, dept_emp.dept_no, departments.dept_name from employees
-> left join dept_emp on employees.emp_no=dept_emp.emp_no
-> left join departments on dept_emp.dept_no=departments.dept_no;
```

emp_no	birth_date	first_name	last_name	gender	hire_date	dept_no	dept_name
10001	1953-09-02	Georgi	Facello	M	1986-06-26	d005	Development
10002	1964-06-02	Bezalel	Simmel	F	1985-11-21	d007	Sales
10003	1959-12-03	Parto	Bamford	M	1986-08-28	d004	Production
10004	1954-05-01	Chirstian	Koblick	M	1986-12-01	d004	Production
10005	1955-01-21	Kyoichi	Maliniak	M	1989-09-12	d003	Human Resources
10006	1953-04-20	Anneke	Preusig	F	1989-06-02	d005	Development
10007	1957-05-23	Tzvetan	Zielinski	F	1989-02-10	d008	Research
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15	d005	Development
10009	1952-04-19	Sumant	Peac	F	1985-02-18	d006	Quality Management
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24	d004	Production
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24	d006	Quality Management
10011	1953-11-07	Mary	Sluis	F	1990-01-22	d009	Customer Service
10012	1960-10-04	Patricio	Bridgland	M	1992-12-18	d005	Development
10013	1963-06-07	Eberhardt	Terkki	M	1985-10-20	d003	Human Resources
10014	1956-02-12	Berni	Genin	M	1987-03-11	d005	Development
10015	1959-08-19	Guoxiang	Nooteboom	M	1987-07-02	d008	Research
10016	1961-05-02	Kazuhito	Cappelletti	M	1995-01-27	d007	Sales
10017	1958-07-06	Cristinel	Bouloucos	F	1993-08-03	d001	Marketing
10018	1954-06-19	Kazuhide	Peha	F	1987-04-03	d004	Production
10018	1954-06-19	Kazuhide	Peha	F	1987-04-03	d005	Development
10019	1953-01-23	Lillian	Haddadi	M	1999-04-30	d008	Research
10020	1952-12-24	Mayuko	Warwick	M	1991-01-26	d004	Production
10021	1960-02-20	Ranzi	Erde	M	1988-02-10	d005	Development
10022	1952-07-08	Shahaf	Famili	M	1995-08-22	d005	Development
10023	1953-09-29	Bojan	Montemayor	F	1989-12-17	d005	Development
10024	1958-09-05	Suzette	Pettey	F	1997-05-19	d004	Production
10025	1958-10-31	Prasadram	Heyers	M	1987-08-17	d005	Development
10026	1953-04-03	Yongqiao	Berztiss	M	1995-03-20	d004	Production
10027	1962-07-10	Divier	Reistad	F	1989-07-07	d005	Development
10028	1963-11-26	Domenick	Tempesti	M	1991-10-22	d005	Development

- select concat(employees.first\_name, ' ', employees.last\_name) as fullName,  
dept\_manager.from\_date, dept\_manager.to\_date from employees  
left join dept\_manager on employees.emp\_no=dept\_manager.emp\_no  
where dept\_manager.from\_date < '1995-01-01' and dept\_manager.to\_date > '1995-01-01';

```
mysql> select concat(employees.first_name, ' ', employees.last_name) as fullName, dept_manager.from_date, dept_manager.to_date
-> from employees left join dept_manager on employees.emp_no=dept_manager.emp_no
-> where dept_manager.from_date < '1995-01-01' and dept_manager.to_date > '1995-01-01';
```

fullName	from_date	to_date
Alejandro Brender	1991-10-01	9999-01-01
Munir Demeyer	1989-12-17	9999-01-01
Giri Isaak	1991-03-07	9999-01-01
Karoline Cesareni	1992-03-21	9999-01-01
Eishiro Miyakawa	1992-08-02	1996-08-30
Dinah Bahl	1991-04-08	9999-01-01
Dietrich Journal	1992-04-25	9999-01-01
Jagoda Nannarelli	1994-06-28	9999-01-01
Subir Biron	1992-09-08	1996-01-03

9 rows in set (0.01 sec)

mysql> 

5. select employees.first\_name, titles.title, (year(titles.to\_date)-year(titles.from\_date))  
as jumlah from employees left join titles on employees.emp\_no=titles.emp\_no  
where titles.title='Engineer' order by (year(titles.to\_date)-year(titles.from\_date))  
desc limit 1;

```
mysql> select employees.first_name, titles.title, (year(titles.to_date)-year(titles.from_date)) as jumlah  
-> from employees left join titles on employees.emp_no=titles.emp_no where titles.title='Engineer'  
-> order by (year(titles.to_date)-year(titles.from_date)) desc limit 1;
```

```
+-----+-----+-----+  
| first_name | title | jumlah |  
+-----+-----+-----+  
| Berni | Engineer | 8006 |  
+-----+-----+-----+  
1 row in set (0.00 sec)
```

```
mysql> 
```