RIGHT JOIN

RIGHT JOIN

365 Careers

RIGHT JOIN

RIGHT JOIN

their functionality is identical to LEFT JOINs, with the only difference being that the direction of the operation is inverted

365 Careers

RIGHT JOIN

RIGHT JOIN = **RIGHT OUTER JOIN**
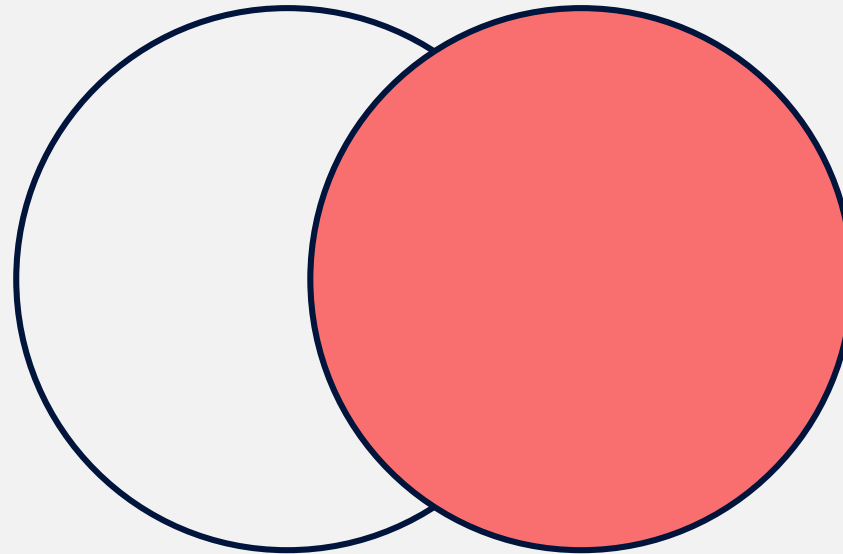
their functionality is identical to **LEFT JOINs**, with the only difference being that the direction of the operation is inverted

365 Careers

RIGHT JOIN

departments_dup

dept_no CHAR(4)

dept_name VARCHAR(40)

dept_manager_dup

dept_no CHAR(4)

emp_no INT

from_date DATE

to_date DATE

365 Careers

RIGHT JOIN

departments_dup

dept_no CHAR(4)

dept_name VARCHAR(40)

dept_manager_dup

dept_no CHAR(4)
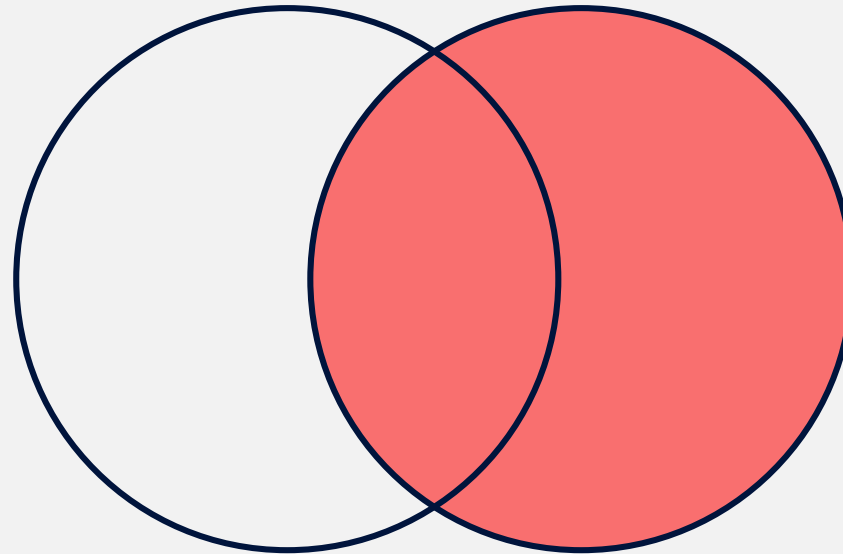
emp_no INT

from_date DATE

to_date DATE

RIGHT JOIN

departments_dup

dept_no CHAR(4)

dept_name VARCHAR(40)
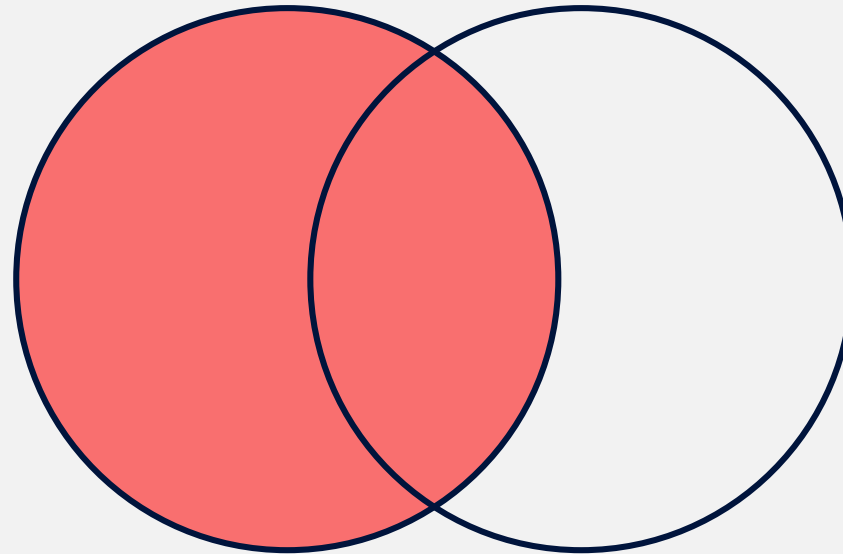
dept_manager_dup
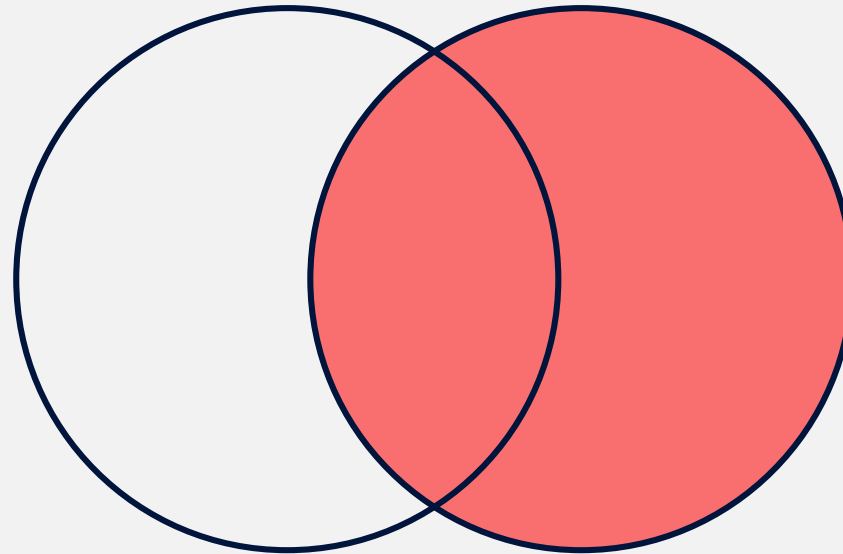
dept_no CHAR(4)

emp_no INT

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365 Careers

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dept_no CHAR(4)

emp_no INT

from_date DATE

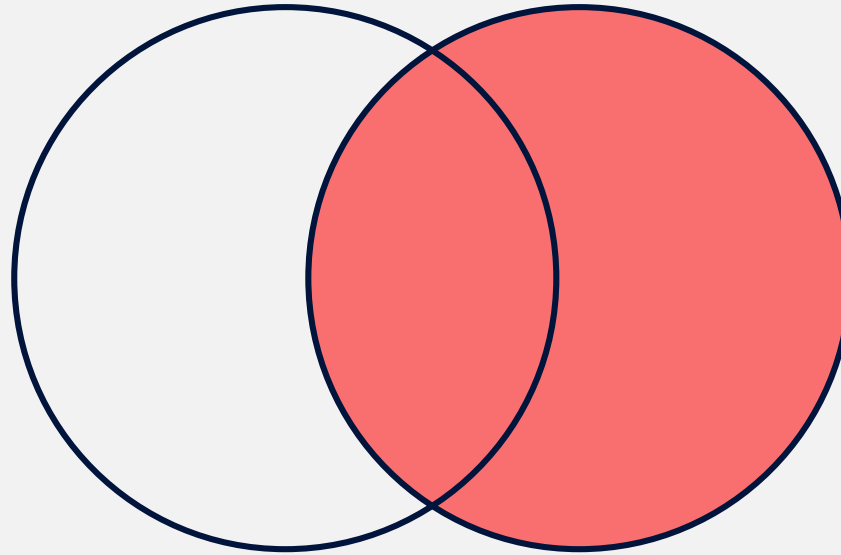to_date DATE

365 Careers

RIGHT JOIN

departments_dup

dept_no CHAR(4)

dept_name VARCHAR(40)

dept_no	dept_name
NULL	Public Relations
d001	Marketing
d003	Human Resources
d004	Production
d005	Development
d006	Quality Management
d007	Sales
d008	Research
d009	Customer Service
d010	NULL
d011	NULL

dept_manager_dup

dept_no CHAR(4)

emp_no INT

from_date DATE

to_date DATE

emp_no	dept_no	from_date	to_date
999904	NULL	2017-01-01	NULL
999905	NULL	2017-01-01	NULL
999906	NULL	2017-01-01	NULL
999907	NULL	2017-01-01	NULL
110085	d002	1985-01-01	1989-12-17
110114	d002	1989-12-17	9999-01-01
110183	d003	1985-01-01	1992-03-21
110228	d003	1992-03-21	9999-01-01
110303	d004	1985-01-01	1988-09-09
110344	d004	1988-09-09	1992-08-02
110386	d004	1992-08-02	1996-08-30
110420	d004	1996-08-30	9999-01-01
110511	d005	1985-01-01	1992-04-25
110567	d005	1992-04-25	9999-01-01
110725	d006	1985-01-01	1989-05-06
110765	d006	1989-05-06	1991-09-12
110800	d006	1991-09-12	1994-06-28
110854	d006	1994-06-28	9999-01-01
111035	d007	1985-01-01	1991-03-07
111133	d007	1991-03-07	9999-01-01
111400	d008	1985-01-01	1991-04-08
111534	d008	1991-04-08	9999-01-01
111692	d009	1985-01-01	1988-10-17
111784	d009	1988-10-17	1992-09-08
111877	d009	1992-09-08	1996-01-03
111939	d009	1996-01-03	9999

RIGHT JOIN

- Whether we run a <u>RIGHT JOIN</u> or a <u>LEFT JOIN</u> with an *inverted* tables order, we will obtain the same output, right?

RIGHT JOIN

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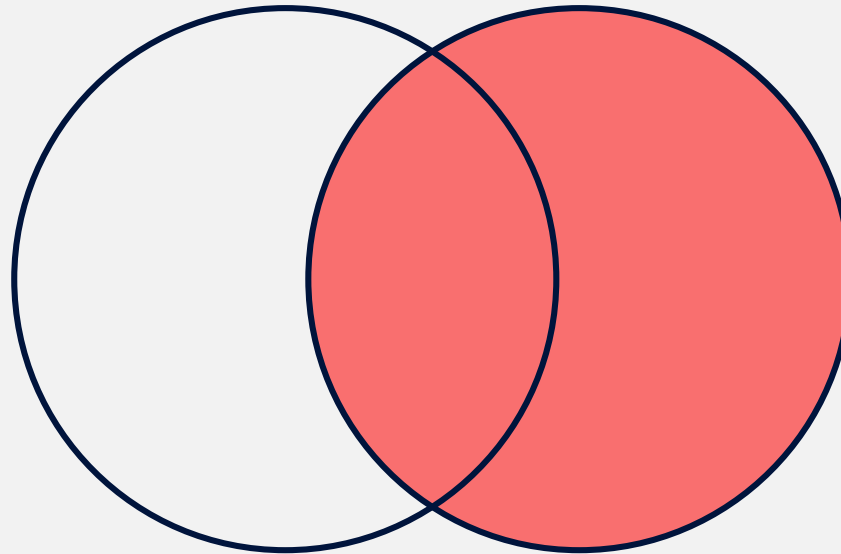
Yes, we will!

365 Careers

RIGHT JOIN

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dept_name VARCHAR(40)

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dept_manager_dup

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365 Careers

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110765	d006	1989-05-06	1991-09-12
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dept_no CHAR(4)
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from_date DATE
to_date DATE

dept_no CHAR(4)

departments_dup

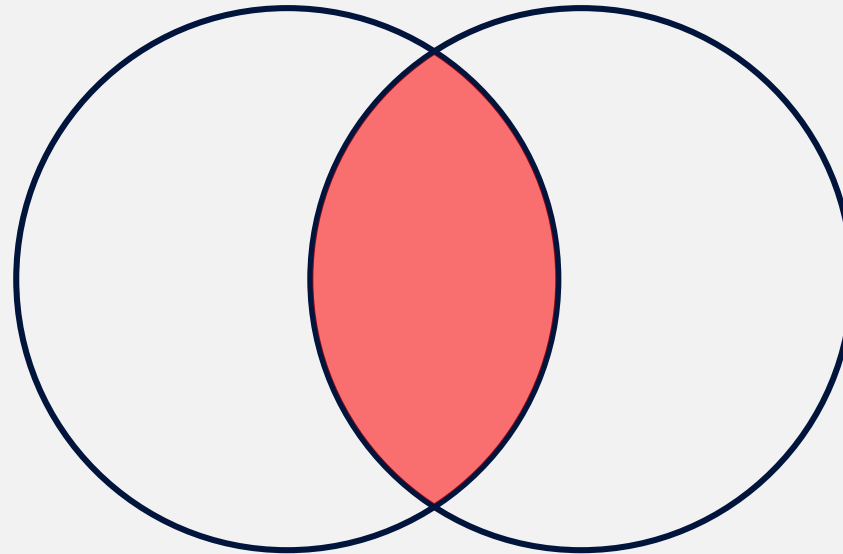| |
|---|
| dept_no CHAR(4) |
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365 **Careers**
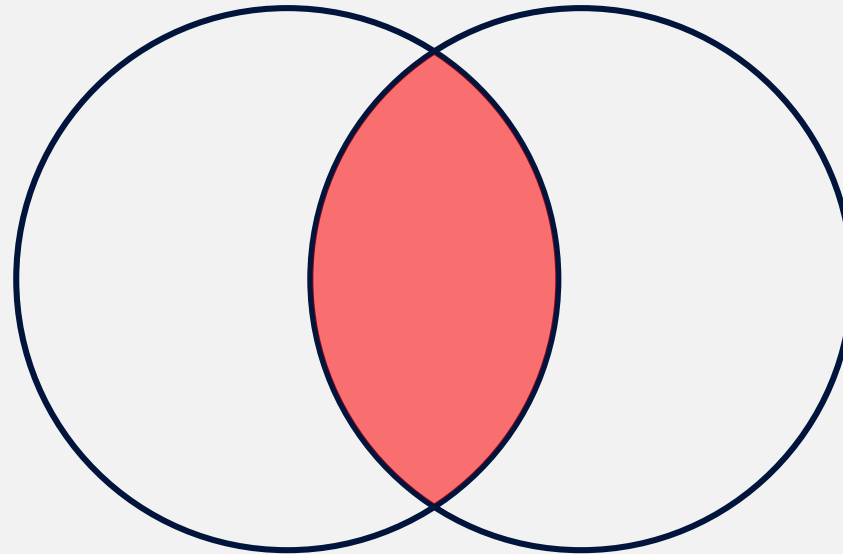
RIGHT JOIN

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dept_no CHAR(4)

emp_no INT

from_date DATE

to_date DATE

dept_no CHAR(4)

departments_dup

dept_no CHAR(4)

dept_name VARCHAR(40)

matching column = linking column

RIGHT JOIN

dept_manager_dup

dept_no CHAR(4)

emp_no INT

from_date DATE

to_date DATE

dept_no CHAR(4)

departments_dup

dept_no CHAR(4)

dept_name VARCHAR(40)

matching column = linking column

365 Careers

RIGHT JOIN

RIGHT JOIN

RIGHT JOIN

when applying a <u>RIGHT JOIN</u>, all the records from the right table will be included in the result set
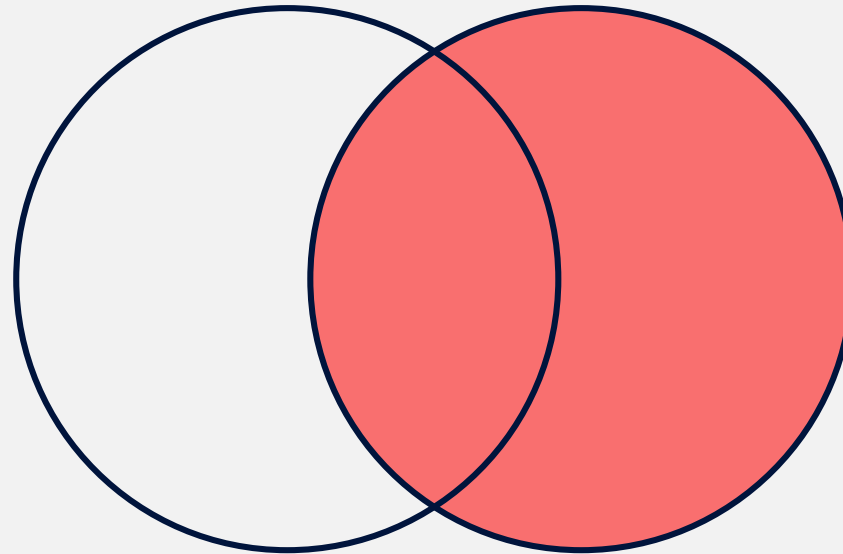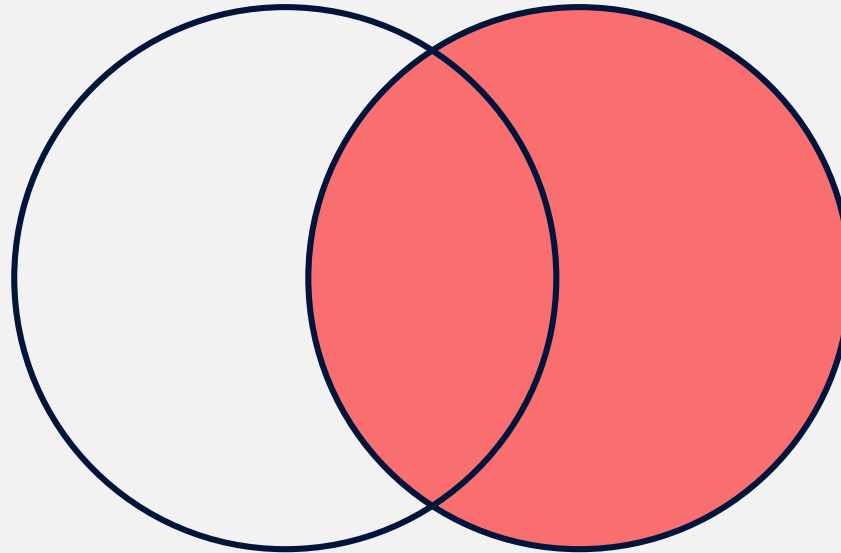
365 Careers

RIGHT JOIN

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RIGHT JOIN

RIGHT JOIN

when applying a RIGHT JOIN, all the records from the right table will be included in the result set

values from the left table will be included only if their *linking column* contains a value coinciding, or *matching*, with a value from the *linking column* of the right table

365 Careers

RIGHT JOIN

RIGHT JOIN

when applying a RIGHT JOIN, all the records from the right table will be included in the result set
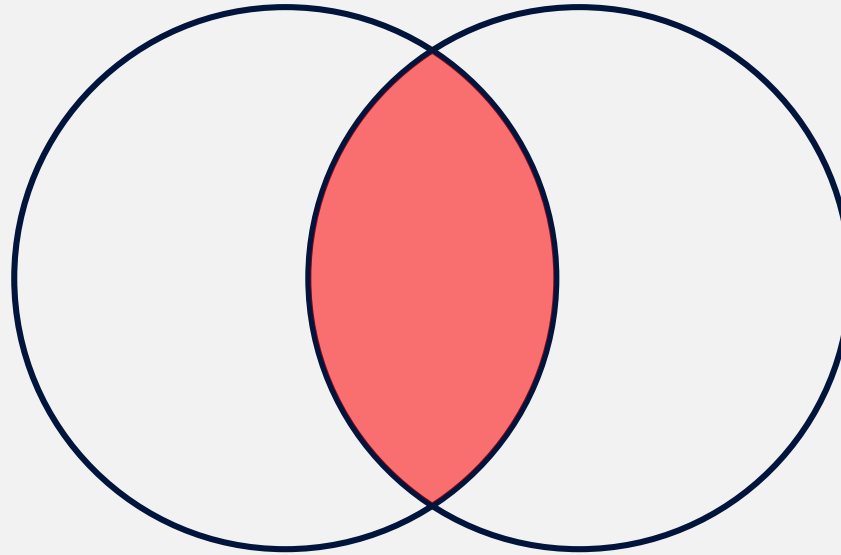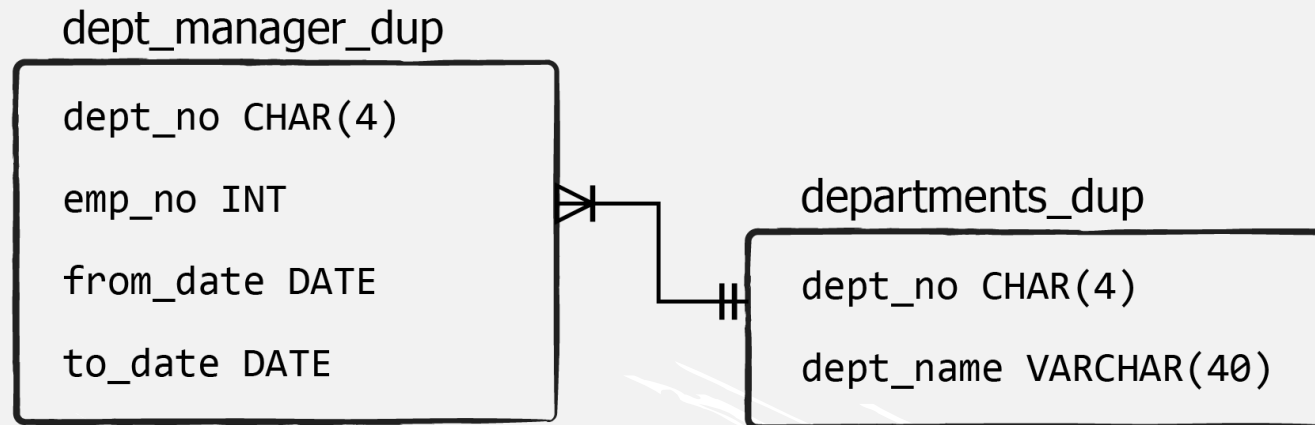

values from the left table will be included only if their *linking column* contains a value coinciding, or *matching*, with a value from the *linking column* of the right table
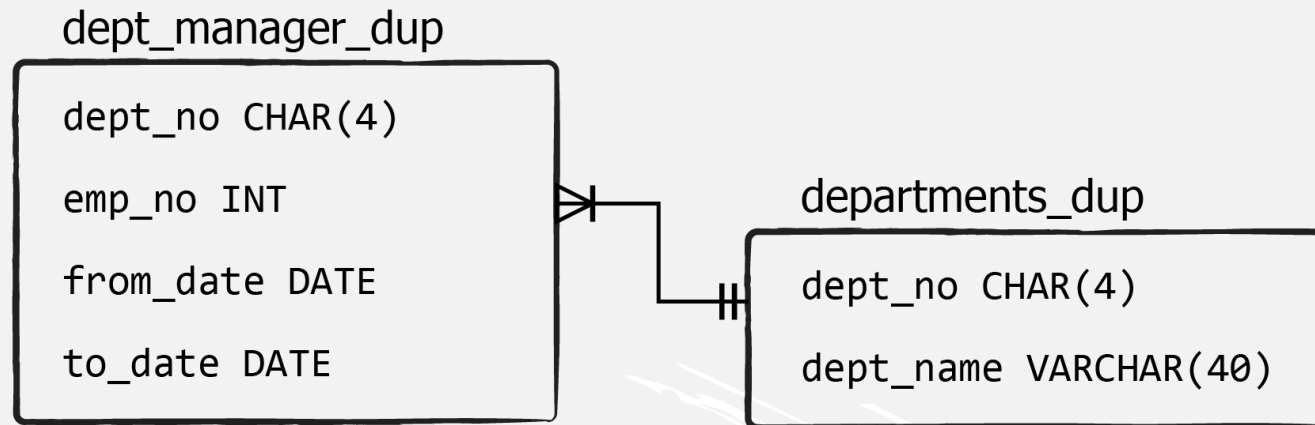
RIGHT JOIN

- **LEFT** and **RIGHT** joins are perfect examples of *one-to-many* relationships

RIGHT JOIN

- **LEFT** and **RIGHT** joins are perfect examples of *one-to-many* relationships

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dept_no CHAR(4)
emp_no INT
from_date DATE
to_date DATE

departments_dup

dept_no CHAR(4)
dept_name VARCHAR(40)

365 Careers

RIGHT JOIN

LEFT and RIGHT joins are perfect examples of *one-to-many* relationships

1 manager   1 department

←───────────────────────────────────────

or >1 managers

dept_manager_dup

| dept_no CHAR(4) |
| emp_no INT |
| from_date DATE |
| to_date DATE |

departments_dup

| dept_no CHAR(4) |
| dept_name VARCHAR(40) |

365 Careers

RIGHT JOIN

- **LEFT** and **RIGHT** joins are perfect examples of *one-to-many* relationships

dept_manager_dup

dept_no CHAR(4)
emp_no INT
from_date DATE
to_date DATE

departments_dup

dept_no CHAR(4)
dept_name VARCHAR(40)

365 Careers

RIGHT JOIN

- LEFT and RIGHT joins are perfect examples of *one-to-many* relationships

1 manager ————————————————→ 1 department

dept_manager_dup

dept_no CHAR(4)
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from_date DATE
to_date DATE

departments_dup

dept_no CHAR(4)
dept_name VARCHAR(40)