
UNION vs UNION ALL
365 Careers

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used to combine a few SELECT statements in a single output

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- you can think of it as a tool that allows you to *unify tables*

UNION vs UNION ALL

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used to combine a few SELECT statements in a single output


```
SELECT
    N columns
FROM
    table_1
UNION ALL SELECT
    N columns
FROM
    table_2;
```

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used to combine a few SELECT statements in a single output


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SELECT
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UNION ALL SELECT
    N columns
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    table_2;
```

We have to select the same number of columns from each table.

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used to combine a few SELECT statements in a single output


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SELECT
    N columns
FROM
    table_1
UNION ALL SELECT
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FROM
    table_2;
```

We have to select the same number of columns from each table.

These columns should have the same name,

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SELECT
    N columns
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    table_1
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    N columns
FROM
    table_2;
```

We have to select the same number of columns from each table.

These columns should have the same name, should be in the same order,

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    N columns
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```

We have to select the same number of columns from each table.

These columns should have the same name, should be in the same order, and should contain related data types.

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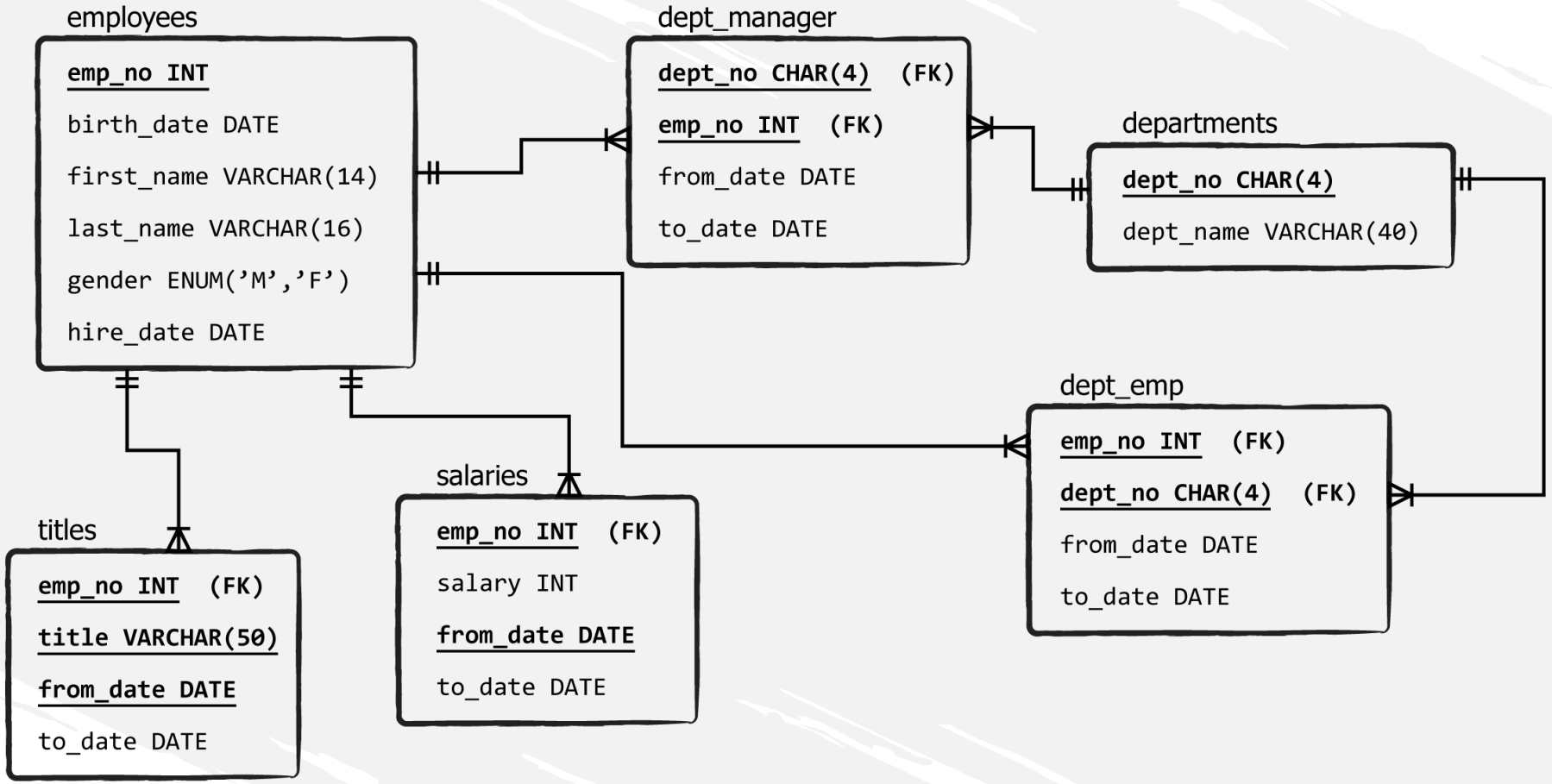

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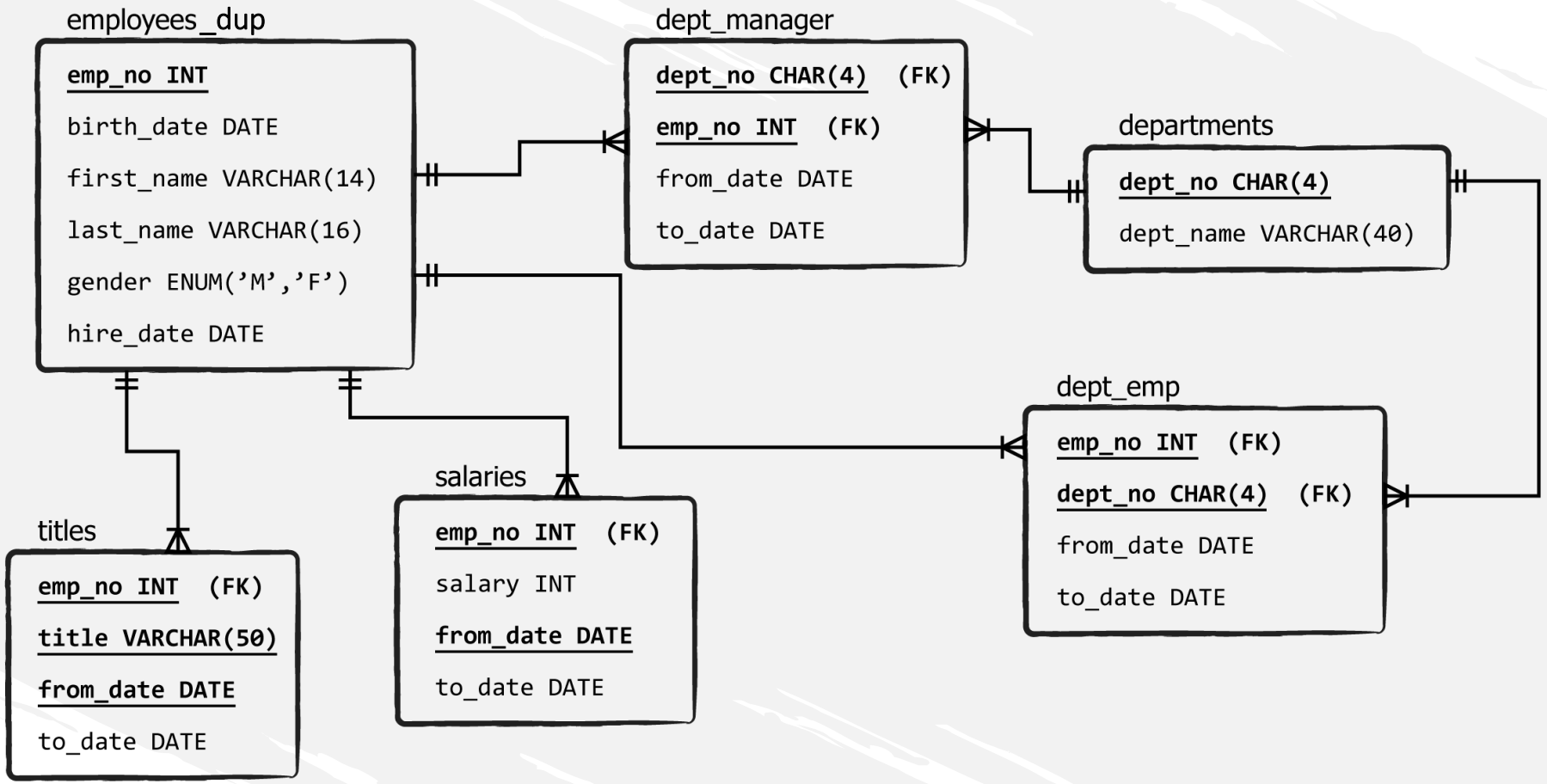

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UNION


```
SELECT
     N columns
FROM
     table_1
UNION SELECT
     N columns
FROM
     table_2;
```

UNION vs UNION ALL

- when uniting two identically organized tables

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when uniting two identically organized tables

- UNION displays only distinct values in the output

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when uniting two identically organized tables

- UNION displays only distinct values in the output
- UNION ALL retrieves the duplicates as well

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when uniting two identically organized tables

- UNION displays only distinct values in the output
  - UNION uses more MySQL resources

- UNION ALL retrieves the duplicates as well

UNION vs UNION ALL

when uniting two identically organized tables

- UNION displays only distinct values in the output
  - UNION uses more MySQL resources (computational power and storage space)

- UNION ALL retrieves the duplicates as well

UNION vs UNION ALL

- Looking for better results?

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- Looking for better results?

  - use UNION

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- Looking for better results?

  - use UNION

- Seeking to optimize performance?

UNION vs UNION ALL

- Looking for better results?

  - use UNION

- Seeking to optimize performance?

  - opt for UNION ALL