

# MySQL RDBMS

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### **Entity Relations**

### ER-Magoron

- To avoid redundancy of the data, data should be organized into multiple tables so that tables are related to each other.
- The relations can be one of the following
  - One to One
  - One to Many ~
  - Many to One ~
  - Many to Many
- Entity relations is outcome of

malization process.

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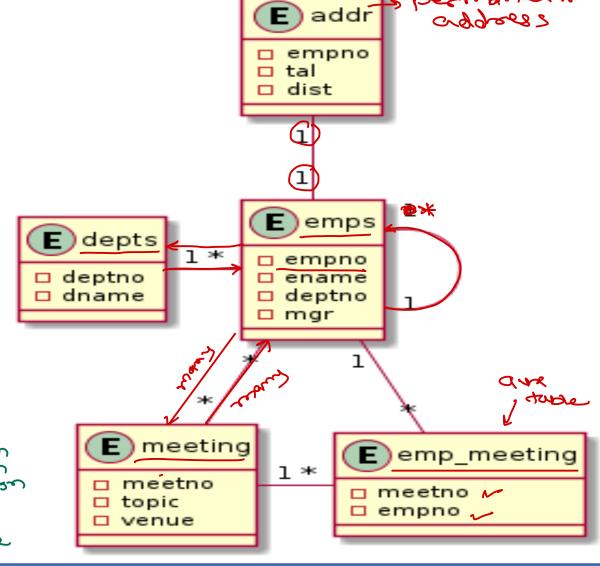
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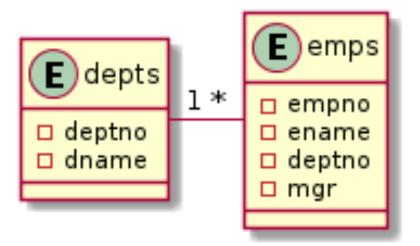
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#### **SQL** Joins

- Join statements are used to SELECT data from multiple tables using single query.
- Typical RDBMS supports following types of joins:
  - Cross Join
  - Inner Join
  - Left Outer Join
  - Right Outer Join
  - Full Outer Join
  - Self join





## Cross Join

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- Compares each row of Table1 with every row of Table2.
- Yields all possible combinations of Table 1 and Table 2.
- In MySQL, The larger table is referred as "Driving Table", while smaller table is referred as "Driven Table". Each row of Driving table is combined with every row of Driven table.
- Cross join is the fastest join, because there is no condition check involved.



## Inner Join -> common - sow

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- The inner JOIN is used to return rows from both tables that satisfy the join condition.
- Non-matching rows from both tables are skipped.
- If join condition contains equality check, it is referred as equi-join; otherwise it is non-equi-join.





# Thank you!

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