

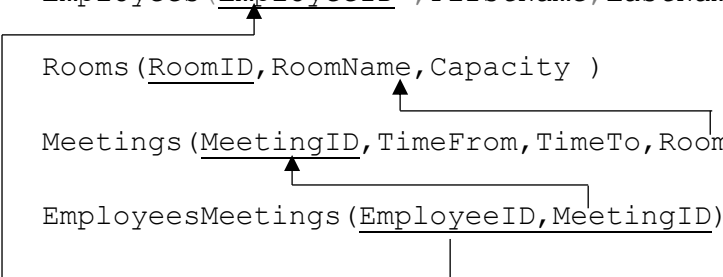
#### Tutorial 04

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#### Learning outcomes:

- Identify data required to answer a given query
  - Determine the SQL operators to be used to write a query to satisfy a user requirement
  - Write SQL statements to cater a given user requirement.
- =====

Consider the following schema and write SQL statements for the following questions.



```
graph TD
    Employees --> Meetings
    Rooms --> Meetings
    EmployeesMeetings --> Meetings
```

Employees (EmployeeID , FirstName, LastName , Place, Country , PhoneNo)

Rooms (RoomID, RoomName, Capacity )

Meetings (MeetingID, TimeFrom, TimeTo, RoomID, MeetingTitle, MeetingDate)

EmployeesMeetings (EmployeeID, MeetingID)

1. Find the first name of employees from India whose last name start with K
2. Find the names of Rooms with a capacity over 50.
3. Find the IDs of meeting with a duration more than 3 hours.
4. Find the titles and IDs of meetings held in meeting rooms with a capacity over 50
5. Find the first name and last name of employees who participated in Appraisal meeting on 18th August 2016.
6. For each employee find the titles of the meetings he/she had attended.
7. Display the highest and the lowest capacities among rooms.
8. Find the number of employees from India.
9. Find the number of employees who had participated in Appraisal Meetings in August.
10. Find the number of employees from different countries.
11. Find the meeting rooms which did not have any meetings in August.

#### **Tutorial 04**

12. For each type of meetings, display the total number of employees who had participated.  
(Note that there can be several meetings with the same title)
13. Find the number of meetings held in each room in august 2016. Display the room Name and number of meetings.
14. Find the country which has more than 20 employees from.
15. Find the meetings which are attended by more than 5 employees
16. Find the country which has most employees are from.