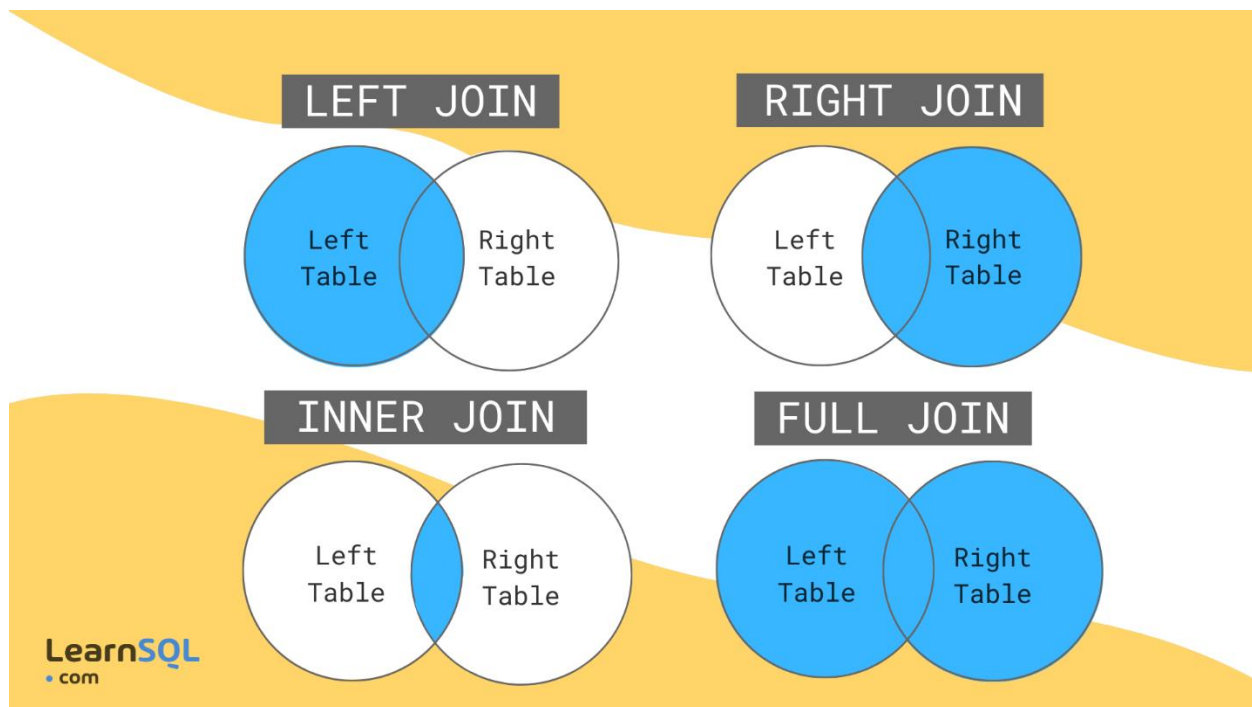# Database Systems
Lab-05

Topic:

- Join query: There are different types of queries:
  - (INNER) JOIN: Returns records that have matching values in both tables
  - LEFT (OUTER) JOIN: Returns all records from the left table, and the matched records from the right table
  - RIGHT (OUTER) JOIN: Returns all records from the right table, and the matched records from the left table
  - FULL (OUTER) JOIN: Returns all records when there is a match in either the left or right table

- View:
  - Create
  - Replace
  - Query writing on views

Queries for exercise:

1. Select all districts with language, and percentage information (from city and countrylanguage table).
2. Select all cities, districts with capital information
3. Select all actors' names with films' title information
4. Select all the customers' information along with their address and city name.
5. Select all the city and country names and any possible customers' name
6. Select all the films' titles and any possible actors' name
7. Select all the actors' names and any possible film, they might cast
8. Select all the films' title and all the actors' name
9. Select all the customers' names and all the cities and districts
10. Select all the countries and all the cities' name

[view related]

11. Create a view named my_actor_film_view having first_name, last_name, title, length, and rating as its columns.
12. Show the max length from your view
13. Sort the list of the films based on the titles
14. Show average rating of films by each actor
15. Show total film of each actor