Join Syntax

- Use JOIN to describe the table that will be joining query

- Use ON to describe the relationship

  ex) # JOIN Syntax

  ```
  SELECT columns
  FROM table-a as A
  JOIN  table-b as A.id = B.fk-id;
  ```
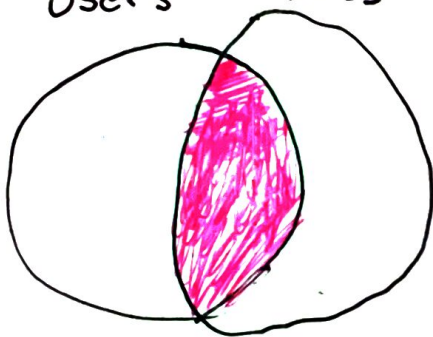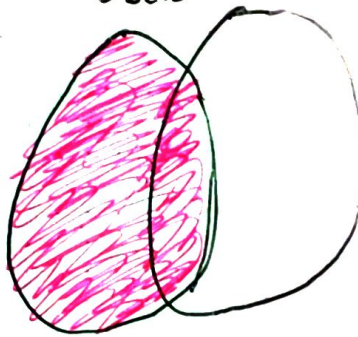
  ex) # JOIN/Inner Join

  ```
  SELECT users.name as user-name, roles.name as role-name
  FROM users
  JOIN  roles ON
  ```

Inner Join
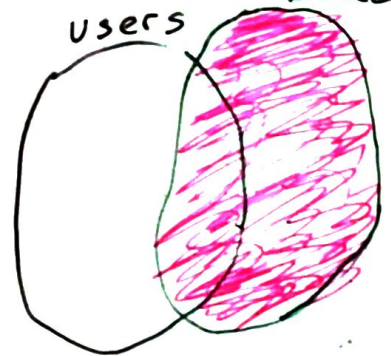
Users   Roles

- Both left + right tables have values for thier respective Keys

Left Join

Users   Roles

- Retrieve all records from left table regardless of corresponding Right table records

Right Join

Users   Roles

- Retrieve all the records from the right table, regardless of corresponding left table records.

ex) # Find Full Name + Dept for employee w/ employee id: 10001

```
SELECT  CONCAT(e.first-name,' ',e.last-name) as full-name,
        d.dept-name
FROM employees AS e
JOIN dept-emp AS de ON de.emp-no = e.emp-no
JOIN departments AS d ON d.dept-no = de.dept-no
WHERE  de.to-date = '9999-01-01'
```