

SQL Joins



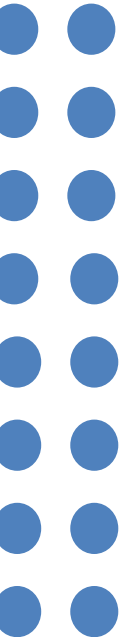
LESSON OBJECTIVES



Understand how to combine tables to effectively preview joined data

MySQL JOINS

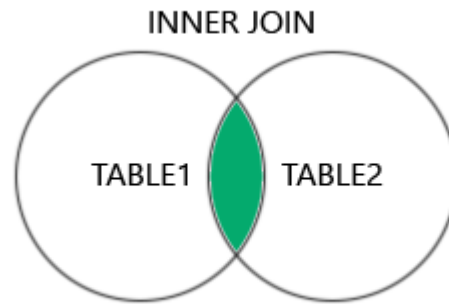
- A join is a method of linking data between one or more tables based on values of the common column between the tables.
- Inner Join
- Left Join
- Right Join
- Cross Join



Inner Join

- The INNER JOIN keyword selects records that have matching values in both tables.

```
SELECT column_name(s)
FROM table1
INNER JOIN table2
ON table1.column_name =
table2.column_name;
```



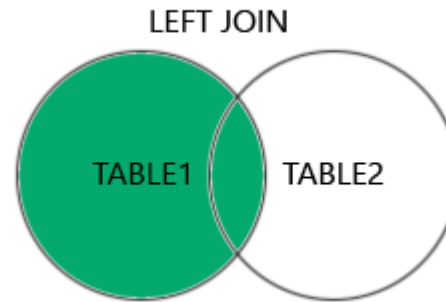
Hehe, pure maths VENN Diagrams, how lovely! 😊
~~if you know, you know ~~



Left Join

- The LEFT JOIN keyword returns all records from the left table (table1), and the matching records (if any) from the right table (table2).

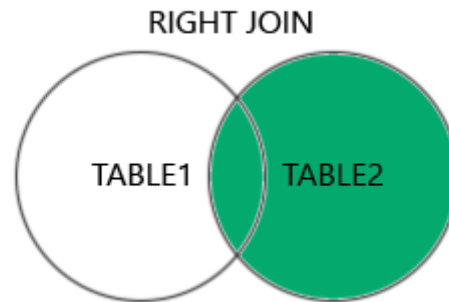
```
SELECT column_name(s)
FROM table1
LEFT JOIN table2
ON table1.column_name =
table2.column_name;
```



Right Join

- The RIGHT JOIN keyword returns all records from the right table (table2), and the matching records (if any) from the left table (table1).

```
SELECT column_name(s)
FROM table1
RIGHT JOIN table2
ON table1.column_name =
table2.column_name;
```



Cross Join

- The CROSS JOIN keyword returns all records from both tables (table1 and table2).

SELECT column_name(s)

FROM table1

CROSS JOIN table2

