



# PROGRAMMING ESSENTIALS-2 DATABASE JOINS(Types)

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# 01.

## What are joins?





# Why we use joins



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# ★ TYPES OF JOINS

01.

**INNER JOIN**

02.

**RIGHT JOIN**

03.

**LEFT JOIN**

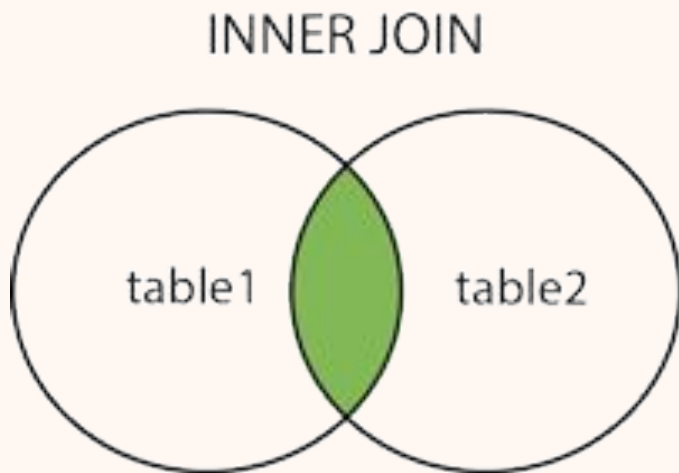
04.

**OUTER JOIN**



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# ★ INNER JOIN



```
SELECT column_name(s)
```

```
FROM table1
```

```
INNER JOIN table2
```

```
ON table1.column_name =  
table2.column_name;
```

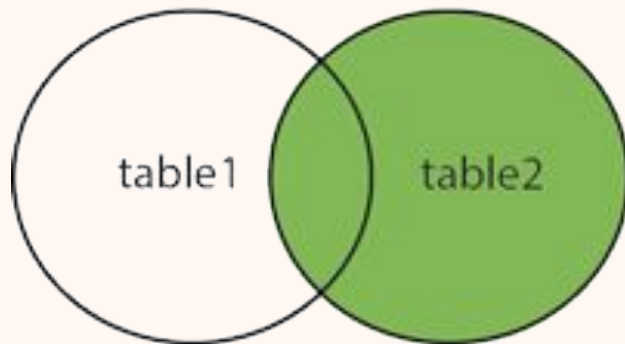


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# ★ RIGHT JOIN



RIGHT JOIN



```
SELECT column_name(s)
```

```
FROM table1
```

```
RIGHT JOIN table2
```

```
ON table1.column_name = table2.column_name;
```

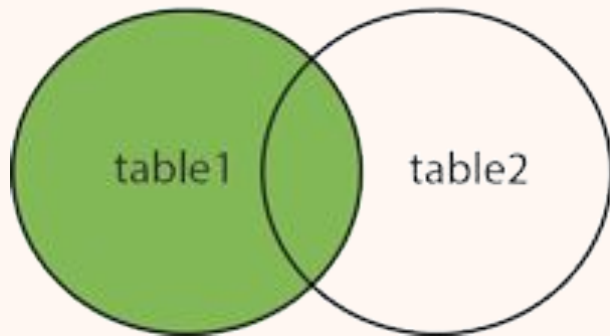


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# ★ LEFT JOIN



LEFT JOIN



```
SELECT column_name(s)
```

```
FROM table1
```

```
LEFT JOIN table2
```

```
ON table1.column_name =  
table2.column_name;
```

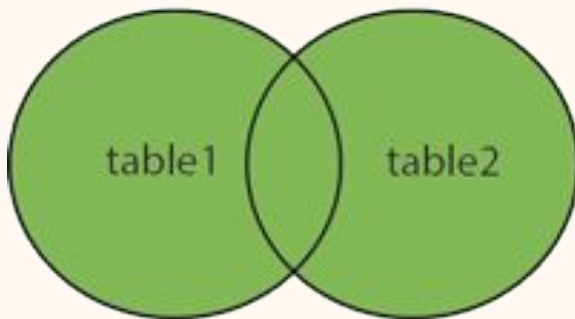


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# ★ FULL OUTER JOIN



FULL OUTER JOIN



```
SELECT column_name(s)
```

```
FROM table1
```

```
FULL OUTER JOIN table2
```

```
ON table1.column_name = table2.column_name
```

```
WHERE condition;
```





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# ★ CARTESIAN OR CROSS JOINS



Returns the Cartesian product of the sets of records from two or more joined tables.

```
SELECT * FROM [TABLE1] CROSS JOIN [TABLE2]
```

OR

```
SELECT * FROM [ TABLE1] , [TABLE2]
```





**THANKYOU**

