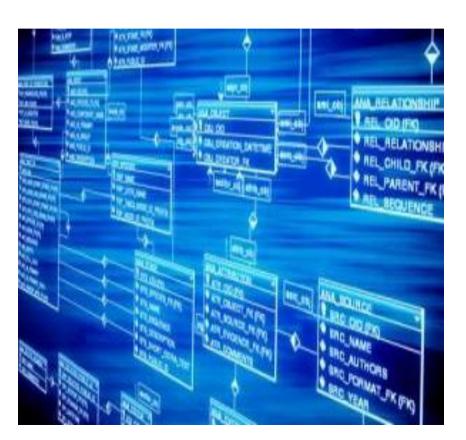
# DATABASE SYSTEM







### JOINS:

A JOIN clause is used to combine rows from two or more tables, based on a related column between them.



### Inner Join / Join / Inner Equi Join:

This type of join returns those records which have matching values in both tables.

#### Syntax:

SELECT Table1.Column1, Table1.Column2, Table2.Column1,....

FROM Table1

INNER JOIN Table2

ON Table1.Matching Column = Table2.Matching Column;



Outer Join

Full Outer Join / Full Join:

Full Join or the Full Outer Join returns all those records

which either have a match in the left(Table1) or the

right(Table2) table.



```
Full Outer Join:
Syntax:

SELECT Table1.Column1, Table1.Column2, Table2.Column1,....
FROM Table1
FULL JOIN Table2
ON Table1.Matching Column = Table2.Matching Column;
```



#### Outer Join

### Left Outer Join / Left Join:

The LEFT JOIN or the LEFT OUTER JOIN returns all the records from the left table and also those records which satisfy a condition from the right table.

The rows for which there is no matching row on right side, the result-set will contain null.



```
Left Outer Join:
Syntax:

SELECT Table1.Column1, Table1.Column2, Table2.Column1,....
FROM Table1
LEFT JOIN Table2
ON Table1.Matching Column = Table2.Matching Column;
```



#### Outer Join

### Right Outer Join / Right Join:

The RIGHT JOIN or the RIGHT OUTER JOIN returns all the records from the right table and also those records which satisfy a condition from the left table.

The rows for which there is no matching row on left side, the result-set will contain null.



```
Right Outer Join:
Syntax:

SELECT Table1.Column1, Table1.Column2, Table2.Column1,....
FROM Table1
RIGHT JOIN Table2
ON Table1.Matching Column = Table2.Matching Column;
```