

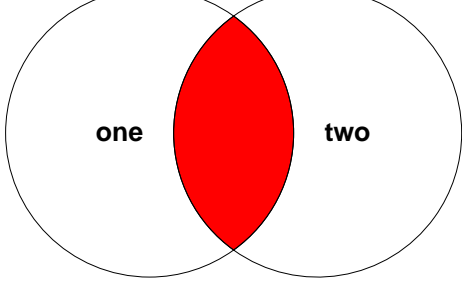
# SQL JOINS Cheatsheet

Table: one	Table: two
100	200
101	201
102	202
103	203
104	204
105	205
990	990
991	991
992	992
993	993
994	994
995	995

The tables show here (one and two) will be used for each of the following examples. The numbers show the row data each holds. The highlighted values are rows with data that is common between the two tables. The unhighlighted area are rows that are unique to each table.

## Common Named Joins

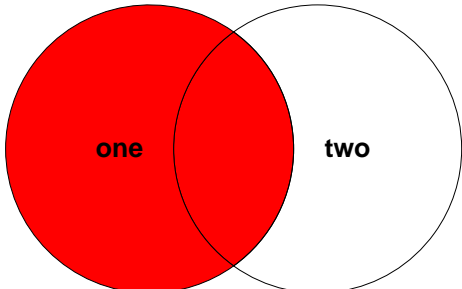
### INNER JOIN (DEFAULT)



```
SELECT *
FROM one
INNER JOIN two ON one.key = two.key
```

RESULT	
ONE	TWO
990	990
991	991
992	992
993	993
994	994
995	995

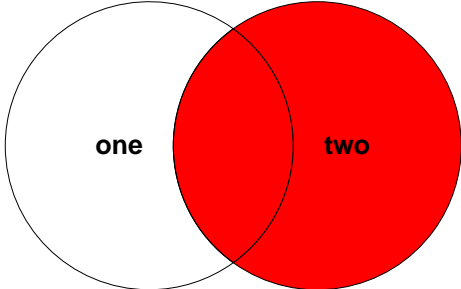
### LEFT JOIN (LEFT OUTER JOIN)



```
SELECT *
FROM one
LEFT JOIN two ON one.key = two.key
```

RESULT	
ONE	TWO
100	(null)
101	(null)
102	(null)
103	(null)
104	(null)
105	(null)
990	990
991	991
992	992
993	993
994	994
995	995

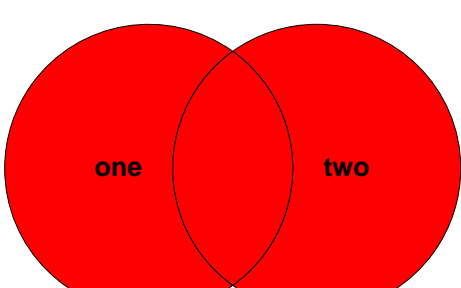
### RIGHT JOIN (RIGHT OUTER JOIN)



```
SELECT *
FROM one
RIGHT JOIN two ON one.key = two.key
```

RESULT	
ONE	TWO
(null)	200
(null)	201
(null)	202
(null)	203
(null)	204
(null)	205
990	990
991	991
992	992
993	993
994	994
995	995

### FULL OUTER JOIN

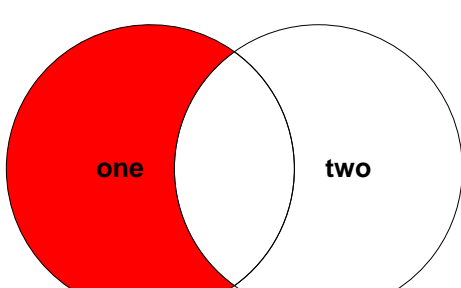


```
SELECT *
FROM one
FULL OUTER JOIN two ON one.key = two.key
```

RESULT	
ONE	TWO
100	(null)
101	(null)
102	(null)
103	(null)
104	(null)
105	(null)
990	990
991	991
992	992
993	993
994	994
995	995
(null)	202
(null)	204
(null)	205
(null)	203
(null)	200
(null)	201

## Other Common Unnamed Joins

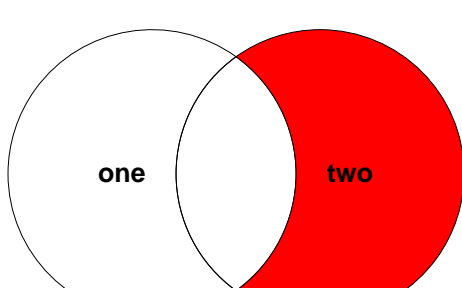
### Only values from the Left Table



```
SELECT *
FROM one
LEFT JOIN two ON one.key = two.key
WHERE two.key IS NULL
```

RESULT	
ONE	TWO
100	(null)
101	(null)
102	(null)
103	(null)
104	(null)
105	(null)

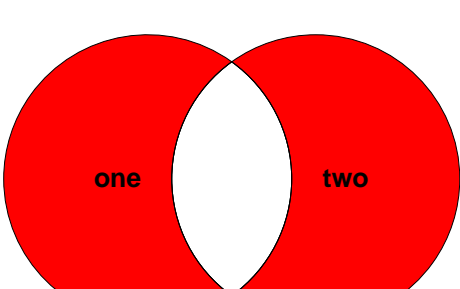
### Only values from the Right Table



```
SELECT *
FROM one
RIGHT JOIN two ON one.key = two.key
WHERE one.key IS NULL
```

RESULT	
ONE	TWO
(null)	200
(null)	201
(null)	202
(null)	203
(null)	204
(null)	205

### Only values that only exist on 1 table



```
SELECT *
FROM one
FULL OUTER JOIN two ON one.key = two.key
WHERE one.key IS NULL OR two.key IS NULL
```

RESULT	
ONE	TWO
100	(null)
101	(null)
102	(null)
103	(null)
104	(null)
105	(null)
(null)	202
(null)	204
(null)	205
(null)	203
(null)	200
(null)	201