

JOINS

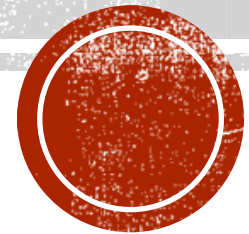


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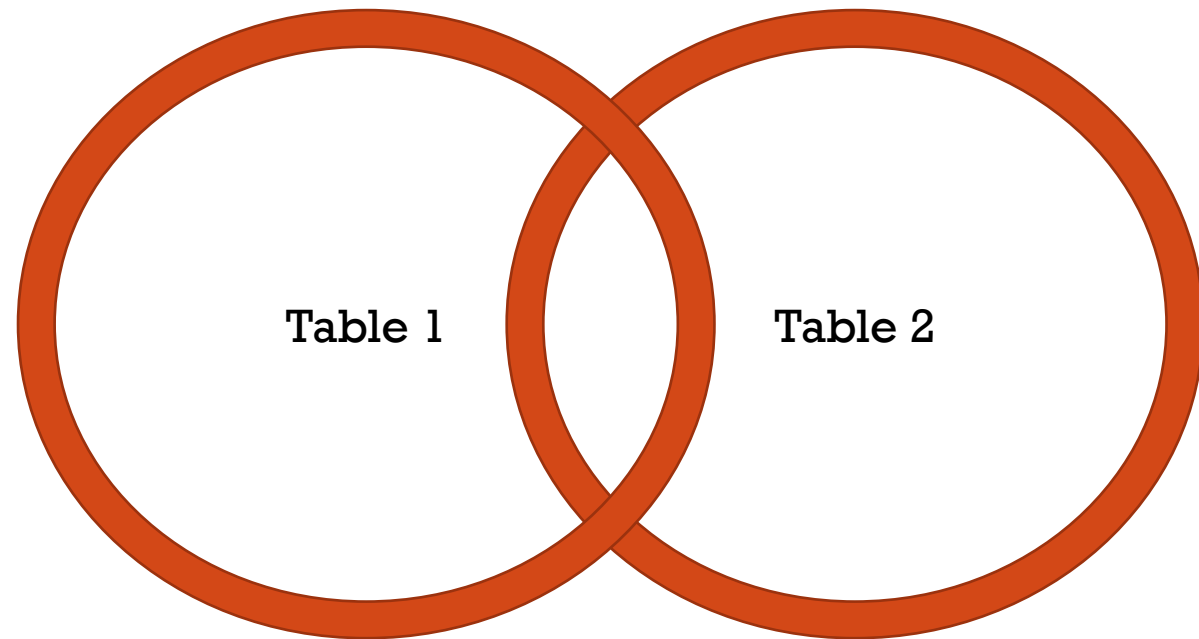


JOINS

▪ **SQL JOIN** משלב עמודות משתי טבלאות או יותר בקבוצת תוצאות אחת.

Operators:

= •
> •
< •
<= •
>= •

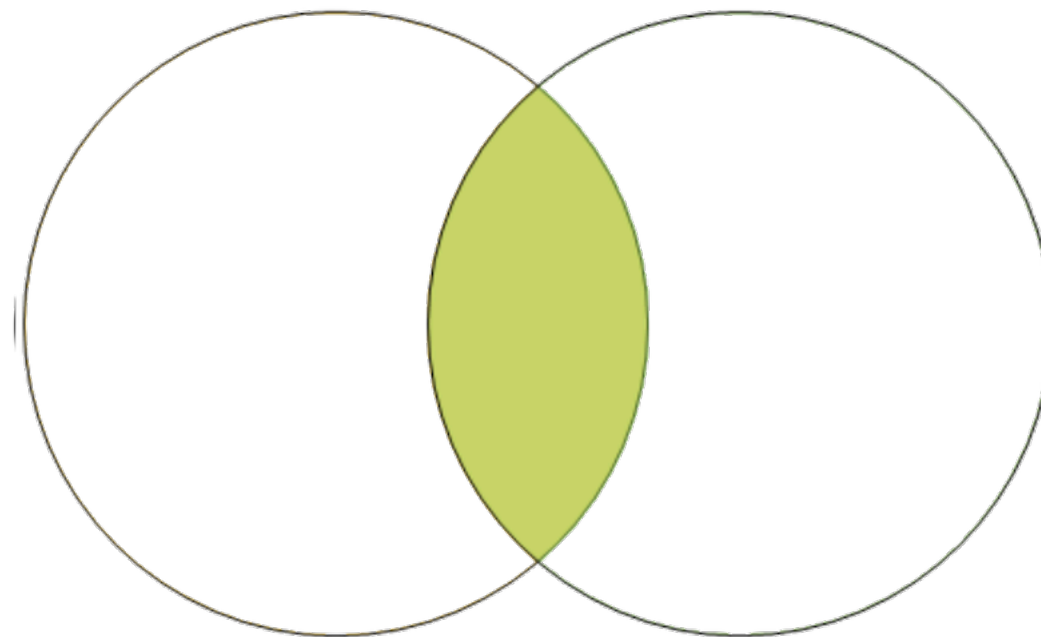


▪ **INNER Join** מחזיר שורות כאשר יש לפחות התאמה אחת בשני הטבלאות

▪ א

id	value
1	first
2	second
3	third

id	value
1	first
2	second
4	fourth
5	fifth



■ פעולת הinner בצורה עקיפה:

```
SELECT t1.*, t2.*  
FROM Table1 t1, Table2 t2  
WHERE t1.ID = t2.ID
```

■ פעולת הinner בצורה ישירה:

```
SELECT t1.*, t2.*  
FROM Table1 t1  
INNER JOIN Table2 t2 ON t1.ID = t2.ID
```



INNER JOIN - DEMO

Select * from t1 ■

Select * from t2 ■

Inner join ■



OUTER JOIN

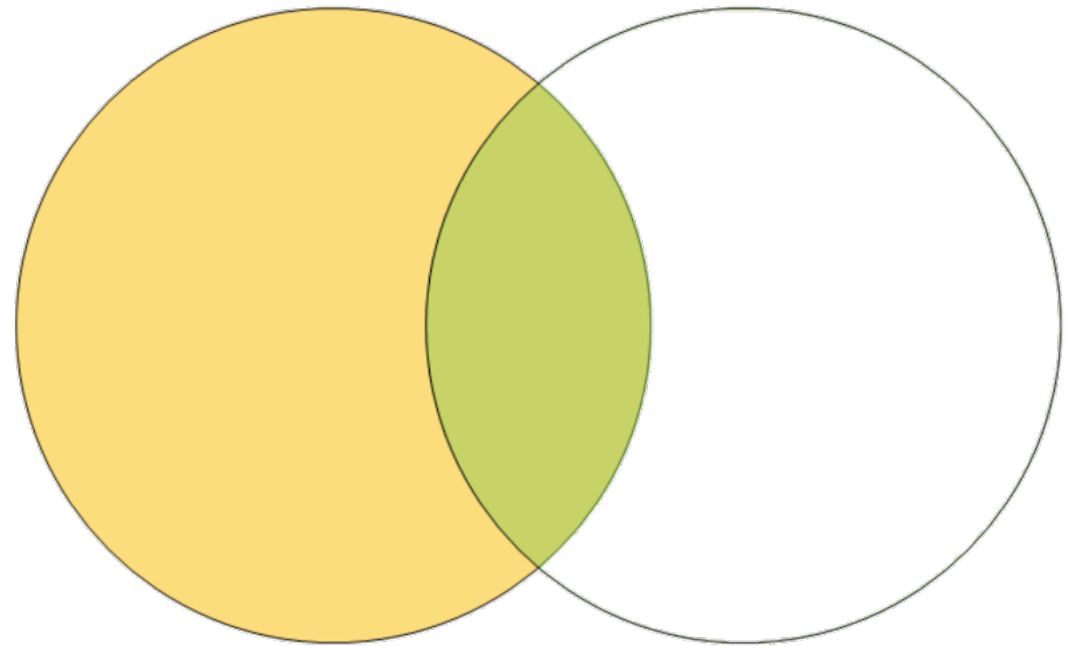
- **Null if not match**



LEFT OUTER JOIN

id	value
1	first
2	second
3	third

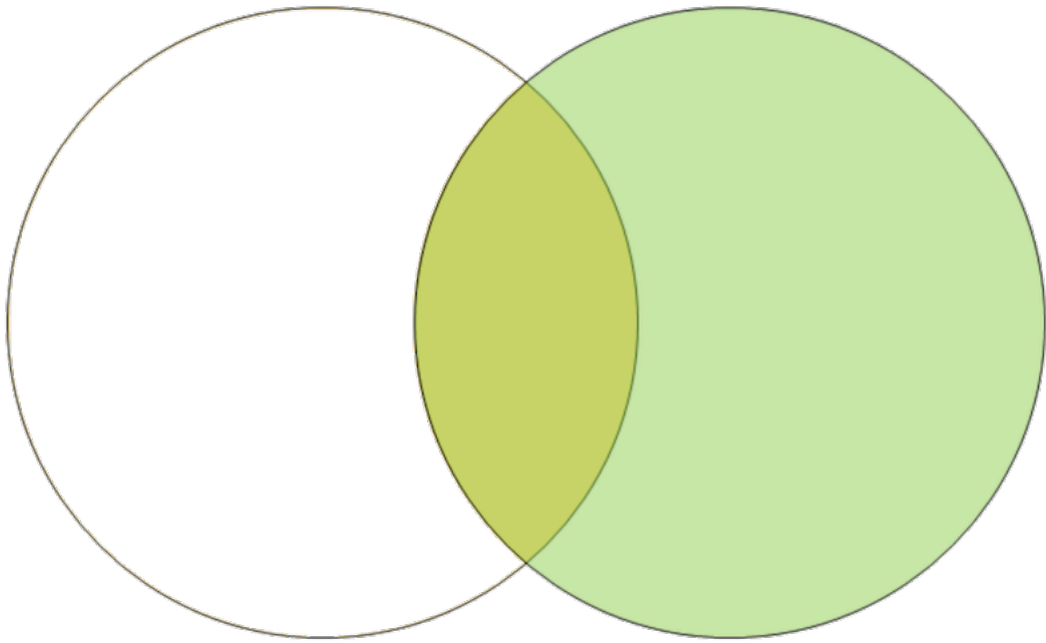
id	value
1	first
2	second
4	fourth
5	fifth



LEFT OUTER JOIN - DEMO



RIGHT OUTER JOIN



	id	value
1		first
2		second
3		third

	id	value
1		first
2		second
4		fourth
5		fifth



RIGHT OUTER JOIN - DEMO



CROSS JOIN

■ מכפלה קרטזית



CROSS JOIN - DEMO

