### **1. Inner Join**

بنطلع الصفوف المشتركة بين الجدولين.

عندنا موظفين (employees):

| **id** | **name** | **department\_id** |
| --- | --- | --- |
| 1 | Ahmed | 1 |
| 2 | Sarah | 2 |
| 3 | Kareem | 3 |

أقسام (departments):

| **id** | **name** |
| --- | --- |
| 1 | Sales |
| 2 | Marketing |

**الكيويري:**

SELECT employees.name, departments.name AS department\_name

FROM employees

INNER JOIN departments

ON employees.department\_id = departments.id;

**اتوبوت:**

| **name** | **department\_name** |
| --- | --- |
| Ahmed | Sales |
| Sarah | Marketing |

### **2. Left Join**

بنطلع كل الصفوف من الجدول الشمال (employees) حتى لو مالهاش تطابق.

**الكيويري:**

SELECT employees.name, departments.name AS department\_name

FROM employees

LEFT JOIN departments

ON employees.department\_id = departments.id;

**اتوبوت:**

| **name** | **department\_name** |
| --- | --- |
| Ahmed | Sales |
| Sarah | Marketing |
| Kareem | NULL |

### **3. Right Join**

بنطلع كل الصفوف من الجدول اليمين (departments) حتى لو مالهاش تطابق.

**الكيويري:**

SELECT employees.name, departments.name AS department\_name

FROM employees

RIGHT JOIN departments

ON employees.department\_id = departments.id;

**اتوبوت:**

| **name** | **department\_name** |
| --- | --- |
| Ahmed | Sales |
| Sarah | Marketing |
| NULL | HR |

### **4. Full Outer Join**

بنجيب كل الصفوف من الجدولين حتى لو مفيش تطابق.

**الكيويري**:

SELECT employees.name, departments.name AS department\_name

FROM employees

FULL OUTER JOIN departments

ON employees.department\_id = departments.id;

**اتوبوت:**

| **name** | **department\_name** |
| --- | --- |
| Ahmed | Sales |
| Sarah | Marketing |
| Kareem | NULL |
| NULL | HR |