

Full & Free

Power Query UI 4

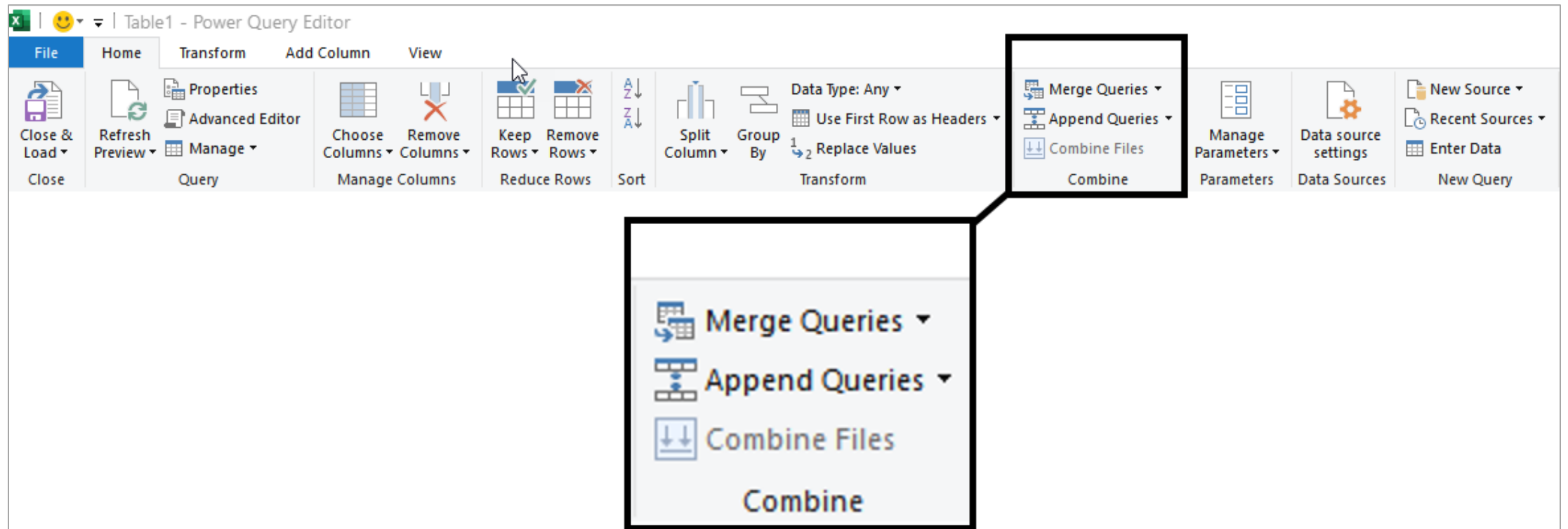
دستورات Append & Merge

Tahlilgary.com

محتوای جلسات

۱. ورود دیتا؛ ستون‌ها؛ نوع‌ها
۲. دستورات پیشرفته ستون‌ها
۳. دستورات کامل Transform
۴. دستورات Append & Merge
۵. ورود گروهی فایل‌ها (Batch)
۶. Parameter و Reduce Rows
۷. جداول، Duplicate و Ref.
۸. ایجاد تقویم و تاریخ شمسی
۹. مثال‌ها و سناریوهای کاربردی
۱۰. معرفی زبان M و اهمیت آن

Combine



Append

ستون 1	ستون 2

ستون 1	ستون 2	ستون 3



ستون 1	ستون 2	ستون 3
دیتا	دیتا	
دیتا	دیتا	
دیتا	دیتا	
دیتا	دیتا	دیتا
دیتا	دیتا	دیتا

Append

ستون 1	ستون 2

ستون 1	ستون 2	ستون 3

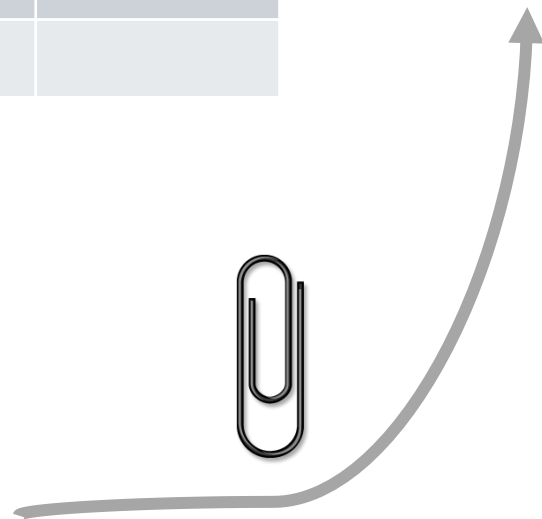


ستون 1	ستون 2	ستون 3	ستون 2
دیتا	دیتا		
دیتا	دیتا		
دیتا	دیتا		
دیتا		دیتا	دیتا
دیتا		دیتا	دیتا

Merge

توضیحات	نوع تسویه	عنوان شعبه	تعداد سفارش	کد مشتری	کد کالا	تاریخ
--	نقدی	مرکزی	1	523555	12001	1403/01/28
	نقدی	مرکزی	1	547900	12001	1403/01/28
	نقدی	مرکزی	1	301458	19012	1403/01/28
	نقدی	مرکزی	1	125120	14005	1403/01/28

مشخصات	قیمت واحد	نام کالا	کد کالا
50 تایی	25000000	قرص ظرفشویی finish	12001
1 لیتری	3910000	مایع ظرفشویی پرل	12002
نیم لیتری	2950000	جلا دهنده پرل	12003
	2870000	نمک پرل	12004
نیم لیتری	3500000	جلا دهنده finish	12005



Join or Merge

SQL: Join

Power Query (M): Merge

SQL Join Types

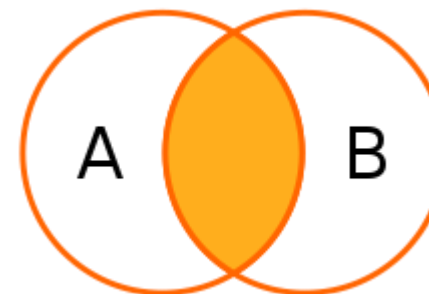
1. INNER
2. Left Outer
3. Right Outer
4. Full Outer
5. Cross

Power Query Join Types

1. Left Outer
2. Right Outer
3. Full Outer
4. Inner
5. Left anti
6. Right anti

Inner Join

Employee table		Department table	
LastName	DepartmentID	DepartmentID	DepartmentName
Rafferty	31	31	Sales
Jones	33	33	Engineering
Heisenberg	33	34	Clerical
Robinson	34	35	Marketing
Smith	34		
Williams	NULL		

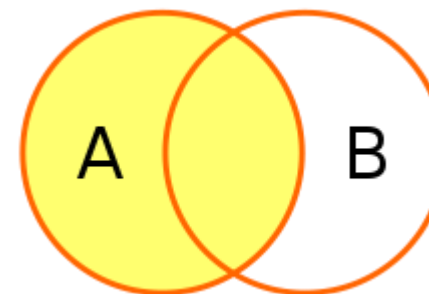


Employee.LastName	Employee.DepartmentID	Department.DepartmentName
Robinson	34	Clerical
Jones	33	Engineering
Smith	34	Clerical
Heisenberg	33	Engineering
Rafferty	31	Sales



Left Outer Join

Employee table		Department table	
LastName	DepartmentID	DepartmentID	DepartmentName
Rafferty	31	31	Sales
Jones	33	33	Engineering
Heisenberg	33	34	Clerical
Robinson	34	35	Marketing
Smith	34		
Williams	NULL		

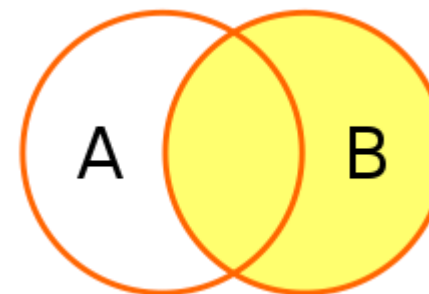


Employee.LastName	Employee.DepartmentID	Department.DepartmentName
Jones	33	Engineering
Rafferty	31	Sales
Robinson	34	Clerical
Smith	34	Clerical
Williams	NULL	NULL
Heisenberg	33	Engineering



Right Outer Join

Employee table		Department table	
LastName	DepartmentID	DepartmentID	DepartmentName
Rafferty	31	31	Sales
Jones	33	33	Engineering
Heisenberg	33	34	Clerical
Robinson	34	35	Marketing
Smith	34		
Williams	NULL		

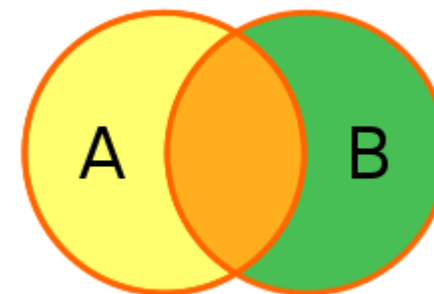


Employee.LastName	Employee.DepartmentID	Department.DepartmentName
Smith	34	Clerical
Jones	33	Engineering
Robinson	34	Clerical
Heisenberg	33	Engineering
Rafferty	31	Sales
NULL	NULL	Marketing



Full Outer Join

Employee table		Department table	
LastName	DepartmentID	DepartmentID	DepartmentName
Rafferty	31	31	Sales
Jones	33	33	Engineering
Heisenberg	33	34	Clerical
Robinson	34	35	Marketing
Smith	34		
Williams	NULL		



Employee.LastName	Employee.DepartmentID	Department.DepartmentName
Smith	34	Clerical
Jones	33	Engineering
Robinson	34	Clerical
Williams	NULL	NULL
Heisenberg	33	Engineering
Rafferty	31	Sales
NULL	NULL	Marketing



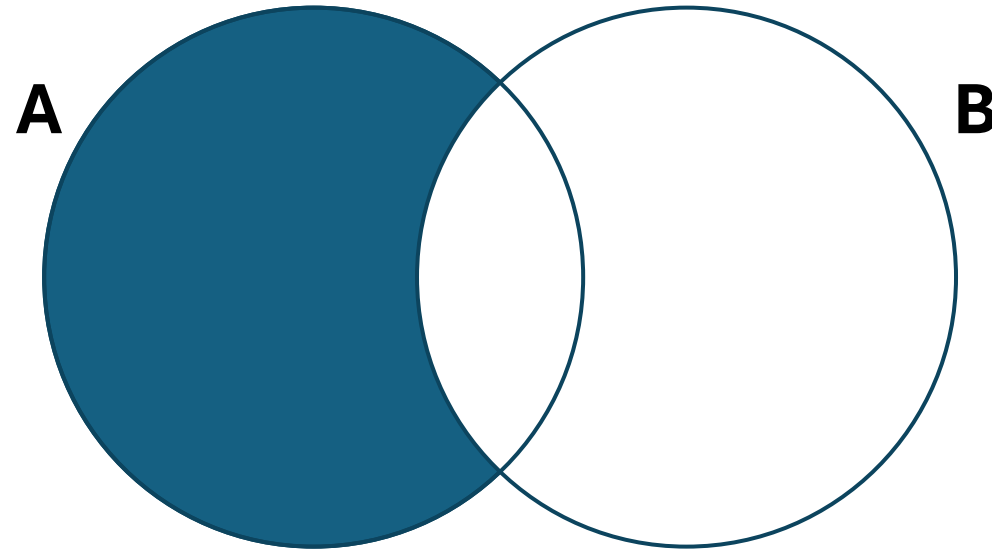
Cross Join SQL

Employee table		Department table	
LastName	DepartmentID	DepartmentID	DepartmentName
Rafferty	31	31	Sales
Jones	33	33	Engineering
Heisenberg	33	34	Clerical
Robinson	34	35	Marketing
Smith	34		
Williams	NULL		

Employee.LastName	Employee.DepartmentID	Department.DepartmentName
Rafferty	31	Sales
Jones	33	Sales
Heisenberg	33	Sales
Smith	34	Sales
Robinson	34	Sales
Williams	NULL	Sales
Rafferty	31	Engineering
Jones	33	Engineering
Heisenberg	33	Engineering

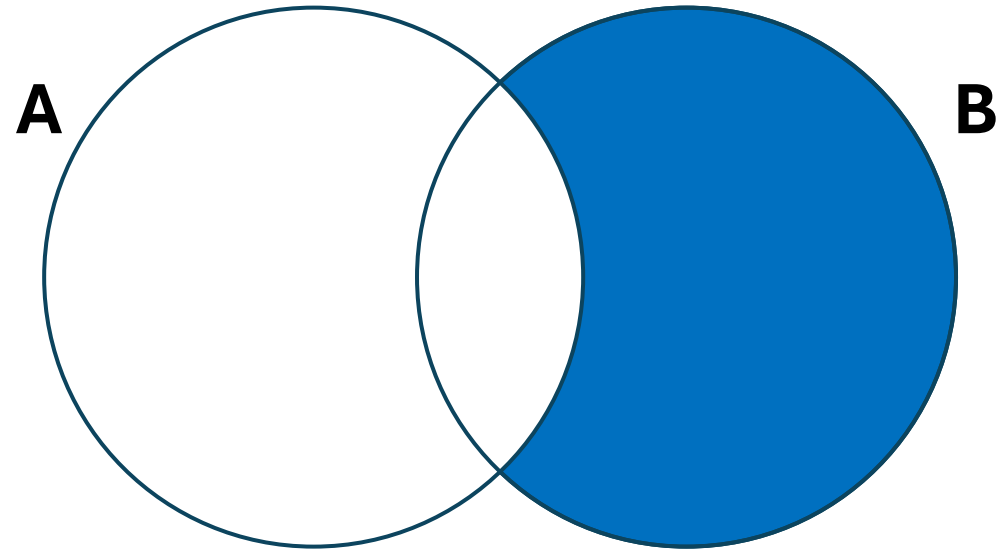
Left Anti

Power Query



Right Anti

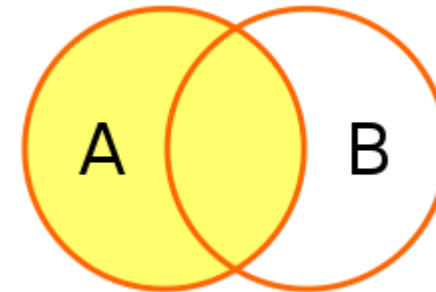
Power Query



Left Outer Join

SQL code

Employee table		Department table	
LastName	DepartmentID	DepartmentID	DepartmentName
Rafferty	31	31	Sales
Jones	33	33	Engineering
Heisenberg	33	34	Clerical
Robinson	34	35	Marketing
Smith	34		
Williams	NULL		



```
SELECT * FROM Employee  
LEFT JOIN Department  
ON Employee.DepartmentID = Department.DepartmentID
```