

# Creating Simple Queries with Tasks – Part 3

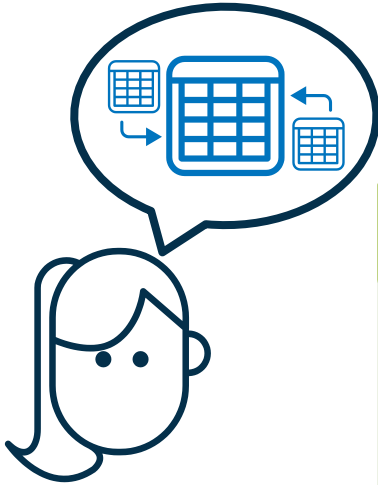
1. Filtering and Sorting Data

2. Creating New Columns

3. Grouping and Summarizing Data

**4. Joining Tables**

# Joining Tables



## topproducts

- Product\_ID
- Sum\_of\_Profit

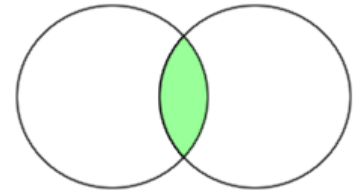
## products

- Product\_ID
- Product\_Category
- Product\_Name
- Supplier\_Name
- Supplier\_Country

## country\_lookup

- Country\_Key
- Country\_Name

# Join Types: Inner Join



**employee\_payroll**

Employee_ID	Salary
120101	163040
120102	108255
120103	87975
120104	92500



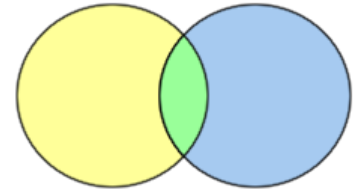
**employee\_organization**

Employee_ID	Department
120101	Sales Management
120102	Sales Management
120103	Engineering
120105	Administration

**new\_table**

Employee_ID	Salary	Department
120101	163040	Sales Management
120102	108255	Sales Management
120103	87975	Engineering

# Join Types: Full Outer Join



**employee\_payroll**

Employee_ID	Salary
120101	163040
120102	108255
120103	87975
120104	92500



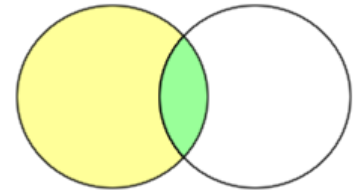
**employee\_organization**

Employee_ID	Department
120101	Sales Management
120102	Sales Management
120103	Engineering
120105	Administration

**new\_table**

Employee_ID	Salary	Department
120101	163040	Sales Management
120102	108255	Sales Management
120103	87975	Engineering
120104	92500	
120105	.	Administration

# Join Types: Left Join



**employee\_payroll**

Employee_ID	Salary
120101	163040
120102	108255
120103	87975
120104	92500



**employee\_organization**

Employee_ID	Department
120101	Sales Management
120102	Sales Management
120103	Engineering
120105	Administration

**new\_table**

Employee_ID	Salary	Department
120101	163040	Sales Management
120102	108255	Sales Management
120103	87975	Engineering
120104	92500	

## 4.05 Multiple Answer Question

Which **Employee\_ID** values would be included in a *right join*?  
(Select all that apply.)

- a. 120101
- b. 120102
- c. 120103
- d. 120104
- e. 120105

**employee\_payroll**

Employee_ID	Salary
120101	163040
120102	108255
120103	87975
120104	92500



**employee\_organization**

Employee_ID	Department
120101	Sales Management
120102	Sales Management
120103	Engineering
120105	Administration

## 4.05 Multiple Answer Question – Correct Answers

Which **Employee\_ID** values would be included in a *right join*?  
(Select all that apply.)

- a. 120101
- b. 120102
- c. 120103
- d. 120104
- e. 120105

Employee_ID	Salary	Department
120101	163040	Sales Management
120102	108255	Sales Management
120103	87975	Engineering
120105		Administration

**employee\_payroll**

Employee_ID	Salary
120101	163040
120102	108255
120103	87975
120104	92500



**employee\_organization**

Employee_ID	Department
120101	Sales Management
120102	Sales Management
120103	Engineering
120105	Administration



# Joining Tables

This demonstration illustrates how to join multiple tables and store the result in a data table.



Questions?

