Exercise

"My first Power Query"

Load data from the Employee.xlsx file.

- Name your query 'Employee'
- What steps are inserted automatically?
- Click on each step to learn what it's about

Exercise

Loading data and basic transformations

Load data from the Customer.csv file. Create tables like the examples below.

1. *Customer*

	Nr	Customer	Type	Category	City	Sales	From
1	1	A Bike Store	Reseller	Value Added Reseller	Seattle	10133	10-2-2015
2	2	Progressive Sports	Reseller	Specialty Bike Shop	Renton	10103	18-2-2016
3	3	Advanced Bike Components	Reseller	Warehouse	Irving	10117	17-10-2016
4	4	Modular Cycle Systems	Reseller	Value Added Reseller	Austin	10107	24-6-2016
5	5	Metropolitan Sports Supply	Reseller	Specialty Bike Shop	Fremont	10113	25-9-2018

2. *City*

	City	County	Country
1	Seattle	Washington	United States
2	Renton	Washington	United States
3	Irving	Texas	United States
4	Austin	Texas	United States

Exercise

Loading data and basic transformations

Create a *Team* query based on the Employee query, with the number of employees in each team.

	Team	Employees
1	Board	4
2	Americas	3
3	Europe	2
4	Asia Pacific	3
5	Americas 1	10
6	Americas 2	10
7	Americas 3	10
8	Europe 1	10
9	Europe 2	10
10	Asia Pacific 1	10
11	Asia Pacific 2	10
12	Asia Pacific 3	10

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Exercise
Data transformations

Load the file Salary Costs 2017.xlsx and transform it into the result below

- Use Column from Example to create the *MonthDate* column

	EmpNr	Costs	MonthDate
1	10001	21743	1-1-2017
2	10001	21743	1-2-2017
3	10001	21743	1-3-2017
4	10001	21743	1-4-2017
5	10001	21743	1-5-2017
6	10001	21743	1-6-2017
7	10001	21743	1-7-2017
8	10001	21743	1-8-2017
9	10001	21743	1-9-2017
10	10001	21743	1-10-2017

Exercise
Data transformations

1. Extend the Teams query created earlier by adding a unique number to each team
2. Add a Division column to the query, indicating whether a team is in Americas, Europe, or Asia Pacific

	Team	Employees	TeamNr	Division
1	Board	4	1	null
2	Americas	3	2	Americas
3	Europe	2	3	Europe
4	Asia Pacific	3	4	Asia Pacific
5	Americas 1	10	5	Americas
6	Americas 2	10	6	Americas
7	Americas 3	10	7	Americas
8	Europe 1	10	8	Europe
9	Europe 2	10	9	Europe
10	Asia Pacific 1	10	10	Asia Pacific
11	Asia Pacific 2	10	11	Asia Pacific
12	Asia Pacific 3	10	12	Asia Pacific

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Exercise
Online Data

1. Go to www.boxofficemojo.com and navigate to the Weekly Box Office. Note the URL of this page.
2. Load the weekly box office data and create a query that returns the table below.

	Week	Overall Gross	Total Movies	#1 Movie	WeekNr
1	Apr. 26–May2	536383145	119	Avengers: Endgame	17
2	Apr. 19–25	150416494	132	The Curse of La Llorona	16
3	Apr. 12–18	161823381	126	Shazam!	15
4	Apr. 5–11	192510057	123	Shazam!	14
5	Mar. 29–Apr. 4	184090770	137	Dumbo (2019)	13
6	Mar. 22–28	204102653	124	Us	12
7	Mar. 15–21	187922716	124	Captain Marvel	11
8	Mar. 8–14	281089962	114	Captain Marvel	10