This is a cross reference of all exercises covered in the course, the goal of the exercise and DAX functions used.

Exercise	Description	DAX Functions Used
Exercise 4.1	Create a new table using FILTER	FILTER
Exercise 4.2	Create a new table using VALUES	VALUES
Exercise 4.3	Calculate percentage of sales for each category / subcategory against all sales	SUMX, ALL, DIVIDE, CALCULATE
Exercise 4.4	Calculate percentage of sales for each category / subcategory and year against all sales	VAR, FILTER, SUMX, ALL, RELATED, VALUES, DIVIDE
Exercise 4.5	Calculate sales counts for all sales occurring on a Sunday, for all years	COUNTROWS, FILTER, RELATED
Exercise 5.1	Rank sales amounts by category	SUMX
Exercise 5.2	Rank sales amounts by category and subcategory, independently	SUMX, IF, ISINSCOPE, RANKX, ALL
Exercise 5.3	Rank sales amounts, correctly, starting at 1, for each category selected in a slicer.	SUMX, ISINSCOPE, RANKX, IF, ALLSELCTED
Exercise 5.4	Calculate minimum, maximum and average extra base hits using MINX, MAXX and AVERAGEX	MAXX, MINX, AVERAGEX, SUMX
Exercise 5.5	Create measures to calculate average and maximum daily sales amounts for a product, year and month	MAXX, AVERAGEX
Exercise 5.6	Create measures to calculate average and maximum daily sales amounts for a product, year and month. In addition, concatenate all the dates each maximum daily sales falls upon.	SUMX, AVERAGEX, MAXX, VAR, FILTER, CONCATENATEX, FORMAT, IF, ISBLANK
Exercise 5.7	Create measures to create average daily sales, average monthly sales and average customer sales for each product and year	SUMX, AVERAGEX, VALUES,
Exercise 5.8	Calculate a 30-day moving average for daily sales	SUMX, VAR, MAX, FILTER, ALL, AVERAGEX
Exercise 6.1	Create a measure using CALCULATE will multiple filters	CALCULATE, FILTER, RELATED
Exercise 6.2	Create a slicer, table and a card object. The sales amount in the card object should not change and slicer values are selected	CALCULATE, ALL, SUMX
Exercise 6.3	Create a matrix containing all categories, with a sales amount field and a column containing Adventure Works sales but showing a value only for those categories with sales.	SUMX, CALCULATE, RELATED
Exercise 6.4	Create a measure showing correct percent of total values for any combination of brands selected	SUMX, VAR, CALCULATE, ALLSELECTED, DIVIDE
Exercise 6.5	Same as 6.4 except a country slicer is added and the percent of totals must still work correctly with any combination of countries selected	SUMX, VAR, CALCULATE, ALLSELECTED, DIVIDE
Exercise 6.6	Create a matrix containing two rank values. One rank is for overall rank and the second rank is just for teams selected	RANKX, ALL, ALLSELECTED, SUM, CALCULATE
Exercise 6.7	Create a measure that must filter on multiple combination of values	SUMX, CALCULATE, ALL, FILTER, RELATED
Exercise 6.8	Create measures to calculate percent of total for overall sales and selected countries	SUMX, VAR, CALCULATE, ALLSELECTED, DIVIDE

Exercise 6.9	Compare two measures that do the same thing but come up very different results. Lesson on context transition.	SUMX, FILTER, RELATED, CALCULATE
Exercise 7.1	Diagnose a problem with CALENDARAUTO	CALENDARAUTO
Exercise 8.1	Create a measure the calculates cumulative sales and percent of sales against last year	CALCULATE, DIVIDE, DATESYTD, PARALLELPERIOD, SUMX
Exercise 8.2	Create a quarterly report showing current quarter sales and change from last quarter	SUMX, CALCULATE, DATEADD
Exercise 8.3	Create a measure that calculates the sum of the first 21 days of sales for each product and ranks the total sales	MIN, VAR, DATESINPERIOD, CALCULATE, RANKX, ALLSELECTED
Exercise 8.4	Create measures that calculate month-to-date, quarter-to-date and year-to-date sales	TOTALMTD, FILTER, TOTALQTD, SUMX, TOTALYTD
Exercise 8.5	Create measures that calculate year-over-year, month-over-month and quarter-over-quarter sales	VAR, CALCULATE, DATEADD, DIVIDE, SUMX
Exercise 8.6	Create a report showing a 45 day rolling average. There should be no values displayed until the 45th day of sales.	VAR, SUMX, DATESINPERIOD, CALCULATE, DIVIDE
Exercise 8.7	Create a report showing sales for the last day of each month	SUMX, CALCULATE, FILTER, RELATED, IN, ALLSELECTED, LASTDATE
Exercise M.1	Create measures that calculate percent of total for US and non-US sales	DIVIDE,
Exercise M.3	Create measures to calculate profit, profit margin and profit margin rank that respects categories and years selected	SUMX, CALCULATE, DIVIDE, RANKX, ALLSELECTED
Exercise M.4	Create a calculated column in the Customers table that calculates total sales for each customer	SUMX
Exercise M.5	Based on M.4 where two calculated columns were created, one is correct and one is not. Explain why the incorrect one is wrong	
Exercise M.6	Calculate a measure that calculates total percentage of sales for your top N customers. The value of N will be selected via a slicer	SELECTEDVALUE, VAR, CALCULATE, TOPN
Exercise M.7	In the Baseball database, display the top 5 players on each team with the greatest number of extra base hits	ISINSCOPE, RANKX, CALCULATETABLE, VALUES, ALLSELCTED
Exercise M.8	Calculate a measure to calculate average number of days it takes to ship a product	AVERAGEX, CALCULATE, MAXX, RELATED, USERELATIONSHIP, ALL, RANDBETWEEN
Exercise M.9	Create a measure that shows the last five sales for each customer selected in a slicer	SUMX, TOPN, CALCULATETABLE, SUMMARIZE, ALL,
Exercise M.10	Create a Pareto type analysis that shows what products make up a certain percentage of sales	CALCULATE, ALLSELECTED, ISBLANK, DIVIDE, FILTER