**Perform the following tasks on the** [Product Details.xlsx](https://docs.google.com/spreadsheets/d/1Z8rA6sJNuXCKL_Jv32FEOiLc0lkLSxQs/edit?usp=drive_link&ouid=116581504019999500009&rtpof=true&sd=true) **file:**

1. Make the Calendar date as the date table.
2. Calculate the UnitCost.

HINT: Use the formula UnitCost = TotalProductCost-TaxAmt-Freight.

1. Calculate the Profit.

HINT: Use the formula Profit = UnitPrice – UnitCost.

1. Calculate the Profit %.

HINT: Use DIVIDE function

1. Create a new column in Sales table based on UnitPrice.

* Affordable (if UnitPrice>2000)
* Expensive (if UnitPrice <=2000)

HINT: Use IF function

1. Create a new column in Product table based on the DaysToManufacture.

* Fast (if DaysToManufacture = 0)
* Slow(if DaysToManufacture = 1 or 2)
* Very Slow (if DaysToManufacture = 4)

HINT: Use nested IF and OR functions

1. Create a new column in Product table to save abbreviation of the values in the Category column.

* Components (COM)
* Bikes (BIK)
* Clothing (CLT)
* Accessories (ACC)

HINT: Use SWITCH function

1. Create a measure TotalUnitCost using SUMX function.

HINT: Use SUMX(Sales, TotalProductCost-TaxAmt-Freight)

1. Create three new columns(Country, ProductName, CustomerName) in the Sales table that have the equivalent columns in related tables.

HINT: Use RELATED function

1. Create a new column in Territory table the counts the number the sales for a particular territory based on Territory Key.

HINT: Use RELATEDTABLE and COUNTROWS Functions

1. Create a new measure to find the maximum UnitCost.

HINT: Use MAXX function

1. Create a new table to show only record of the Red color products.

HINT: Use FILTER function

1. Create a measure FilterSales to calculate sum of the total sales but where UnitPrice is greater than 3000.

HINT: Use FILTER function on UnitPrice and SUMX to sum it.

1. Create a measure to calculate the TotalUnitCost for the Red color products.

HINT: Use the CALCULATE function on the UnitCost column.

1. Create a measure to calculate the TotalUnitCost but it should ignore filter context.

HINT: Use the CALCULATE and ALL function