Reference Answer Power BI 24-25 February 2025

Part 3: Data Modelling

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Part 4: DAX Formula

CC = Create Column

CM = Create Measure

CT = Create Table

([Table Name]) example (Sales)

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| --- |
| CC (Sales)  TS Value = IF(                 Sales[Units Sold]<=50,// ini logic                  "<=50",                  IF(Sales[Units Sold]<=100,                  "<=100",">100"                  )              ) |
| CM  Total Rev = SUMX(                    Sales,                    RELATED(Products[Price])\*Sales[Units Sold]                    )                    // Fungsi RELATED digunakan untuk memanggil value yg sama berdasarkan Product ID |
| CC  # Show revenue per transactions  Rev Test = RELATED(Products[Price])\*Sales[Units Sold] |
| CT  Calendar = CALENDAR(                      DATE(YEAR(MIN(Sales[Order Date])),1,1),//Start date                      DATE(YEAR(MAX(Sales[Order Date])),12,31)//End date) |
| CC  (Calendar)  Month = FORMAT('Calendar'[Date],"mmm") |
| CC  (Calendar)  Month = FORMAT('Calendar'[Date],"mmm")  #Untuk sort data by month order  #Sort column Month by MonthNumber |
| CC  (Calendar)  PH = LOOKUPVALUE(      'PH 2019'[Event],// Desired column      'PH 2019'[Date],//Reference in lookup table      'Calendar'[Date]) // Reference in output table |
| CC – Calendar  Untuk fiscal year bermula April  Quarter = "Q"&INT(MOD(MONTH('Calendar'[Date])-4,12)/3)+1 |
| Option 2 column PH  CC  (Calendar)  Holiday =  LOOKUPVALUE('PH 2019'[Event],'PH 2019'[Date],'Calendar'[Date],"No Holiday") |
| CC (Calendar)  Is Weekend = IF(                  WEEKDAY('Calendar'[Date],2)>5,                  "Yes","No"                  ) |
| CC (Calendar)  Day = FORMAT('Calendar'[Date],"ddd") |
| CC  (Calendar)  Working Day =                 SWITCH(TRUE(),                  ('Calendar'[PH]="No Holiday"||                   'Calendar'[PH]="New Year's Day")&& 'Calendar'[Is Weekend]="No",                  "Working Day","Holiday"                  )  #Jika ada PH tertentu adalah cuti, tambahkan arguement || |
| CM  (Measure)  Rev Prev Month = CALCULATE(         [Total Rev], //Value to evaluated)         PREVIOUSMONTH('Calendar'[Date])            ) |
| CM  (Measure)  Diff Rev Month = [Total Rev]-[Rev Prev Month] |
| CM  (Measure)  AVG by Month =  VAR ByMonth = CALCULATE([Total Rev],ALL('Calendar'[Date]))  RETURN   DIVIDE(ByMonth,DAY(MAX('Calendar'[Date]))) |
| CM  (Measure)  %Rev By Month =  VAR ByMonth = CALCULATE([Total Rev],ALL('Calendar'))  RETURN  DIVIDE([Total Rev],ByMonth) |
| CM  (Measure)  No of Transaction = COUNTROWS(Sales) |