**Module 3**

About Assignment

Q1) Using DAX formulas, create a new column ‘Net\_Units’ as the difference of ‘Units’ and ‘Cancelled\_Units’ in the sale table

Net\_Units = 'Sales Raw'[Units] - 'Sales Raw'[Cancelled\_Units]

Q2) Using DAX formulas, rename ‘City’ to ‘City\_Old’, create new column ‘City’ with only the city name i.e., removing the country part; from the two files ‘‘Mod3\_Raw\_CityTier\_v0 1 ‘and ‘PinCode-Geo’.

City\_Old = 'Mod3\_Raw\_CityTier\_v0 1'[City]

City\_New = LEFT('Mod3\_Raw\_CityTier\_v0 1'[City], FIND(",", 'Mod3\_Raw\_CityTier\_v0 1'[City]) - 1)

City\_Old = 'PinCode-Geo'[City]

City\_New = LEFT('PinCode-Geo'[City], FIND(",", 'PinCode-Geo'[City]) - 1)

Q3) Create a field called ‘OrderDayOfWeek’ which should contain the day of the week, e.g., ‘Monday’

OrderDayOfWeek = FORMAT('Sales Raw'[OrderDate], "dddd")

Q4) To be able to look at weekly trends, using DAX formulas, create a field called ‘OrderWeekStart’ which contains the date for the start of the week of the sale. - Note that your week should be starting from Monday - Format this field to display ‘Nov 06’ for November 6th 5. Update the relationships to ensure all tables are connected as expected

OrderWeekStart = 'Sales Raw'[OrderDate] -WEEKDAY('Sales Raw'[OrderDate],2) + 1

Q5) Tax Slab Calculation: All the products sold (profit column) from the store are taxed with a standard tax slab of 2%. Your manager wants you to create a tax slab column so that it can be used for visualization.

Tax Slab = 'Sales Raw'[Revenue] \* 0.02

Q6) Performance of Query: The manager also wants to check on the performance of the power query. So, he is asking to generate the metric table as well.

let

MetricTable = #table(

{"QueryName", "StartTime", "EndTime", "Duration", "RowsProcessed"},

{}

)

in

MetricTable

