Data Normalization Task

Puranjoy Patra,

Well done with the previous task. I have a new one for you.

One of our client projects requires minor support. The dataset is currently in a de-normalized form, and we need your help to transform it into a normalized form.

Your task will involve creating proper fact and dimension tables based on the dataset, which can be found in the "fact_order_lines.csv" file.

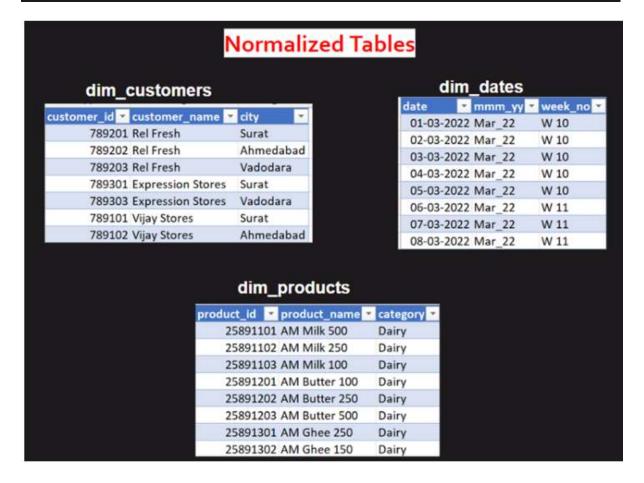
Here are a few screenshots of the dataset to give you a better idea of what it looks like and how the final output should be presented:

Input Data

			Denormali	zed T	able			
	_order_lines							
order id * order FMR342036	placement_date = mmm_yy 01-03-2022 Mar 22	W 10	customer_id * customer_name 789203 Rel Fresh	Vadodara	roduct_id = product_name 25891601 AM Tea 500	* category * ord beverages	der_qty = delive	110
FMR342206	01-03-2022 Mar 22	W 10	789220 Atlas Stores	Surat	25891601 AM Tea 500	beverages	78	78
FMR325016	01-03-2022 Mar 22	W 10	789501 Viveks Stores	Surat	25891601 AM Tea 500		139	139
	A CONTRACTOR OF THE PARTY OF TH	W 10 W 10	789501 Viveks Stores 789102 Vijay Stores	Surat Ahmedab	25891601 AM Tea 500 25891601 AM Tea 500	beverages beverages	139 180	139 180
FMR325016	01-03-2022 Mar_22	70.77	01454 L 0140 CHEST VAVOUS			beverages	1,7177	183
FMR325016 FMR331026	01-03-2022 Mar_22 01-03-2022 Mar_22	W 10	789102 Vijay Stores	Ahmedab	25891601 AM Tea 500	beverages beverages	180	139 180 88 84
FMR325016 FMR331026 FMR329026	01-03-2022 Mar_22 01-03-2022 Mar_22 01-03-2022 Mar_22	W 10 W 10	789102 Vijay Stores 789902 Elite Mart	Ahmedab Ahmedab	25891601 AM Tea 500 25891601 AM Tea 500	beverages beverages beverages	180 93	180 88

Output Data

Normalized Table fact_orders order_id rorder_placement_date customer_id rorduct_id rorder_qty delivery_qty FMR342036 01-03-2022 FMR342206 01-03-2022 FMR325016 01-03-2022 FMR331026 01-03-2022 FMR329026 01-03-2022 FMR339036 01-03-2022 FMR324216 01-03-2022 FMR344216 01-03-2022 FMR346216 01-03-2022 FMR335206 01-03-2022 FMR327026 01-03-2022 FMR341226 01-03-2022 FMR321016 01-03-2022



Please complete this task within the next 2 days.

Best regards,



Hem

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