SQL/Pandas Code for the YTD Function

EVALUATING YearToDay Revenue for a Manufacturing Company

The sales-based transaction table was connected with product lookup table via product_key

The sales-based transaction table was connected with the calendar lookup table using order_date and date keys

I had to generate cumulative increase in the revenue across month for each year for this firm.

- 1) Join Sales and Product tables to ascertain order_quantity and product_price for each order following calculate revenue amount generated for each order
- 2) Join this composite sales-product table to calendar lookup using order date to determine the date on which this order was placed.

Extracted year and month columns of the date and aggregated the sum of revenue on these two columns

Evaluated the cumulative sum of revenue across each month for every year and plotted the it for the entire sales data

Following plotted a similar field for different categories of products

