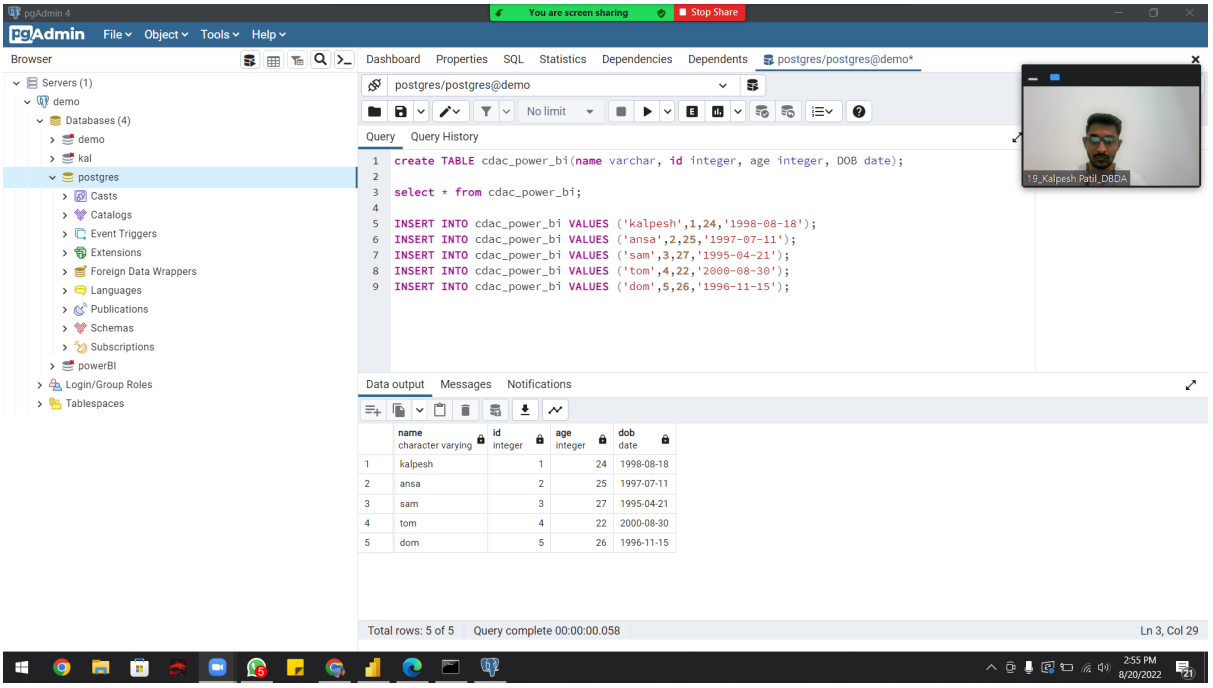
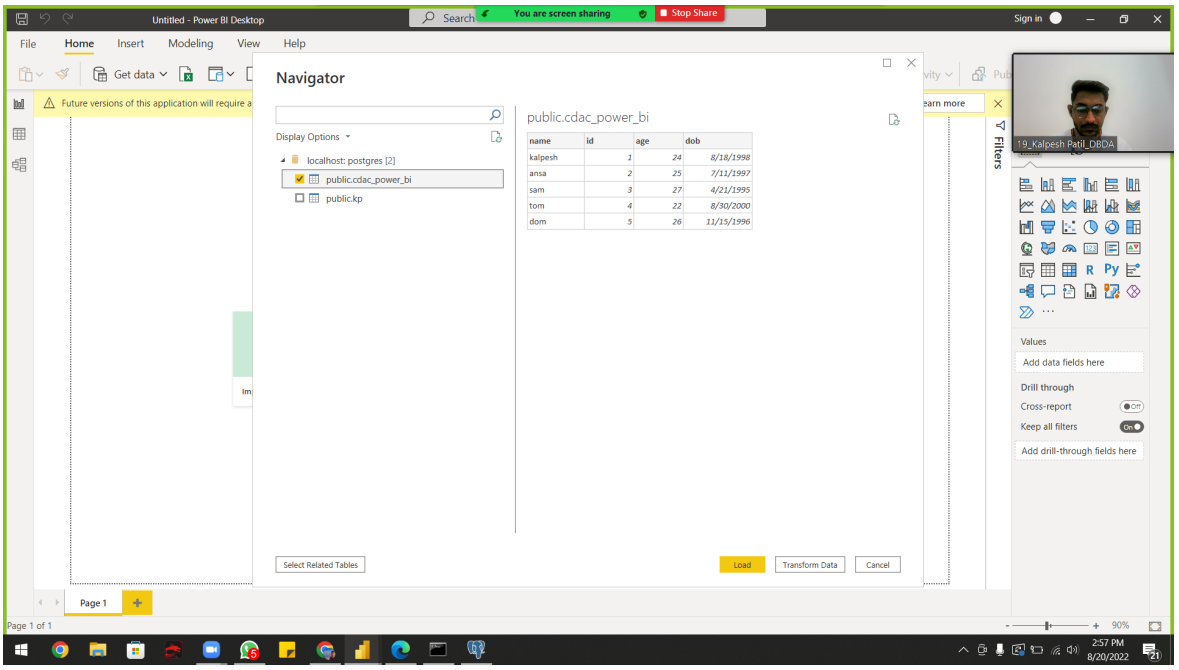
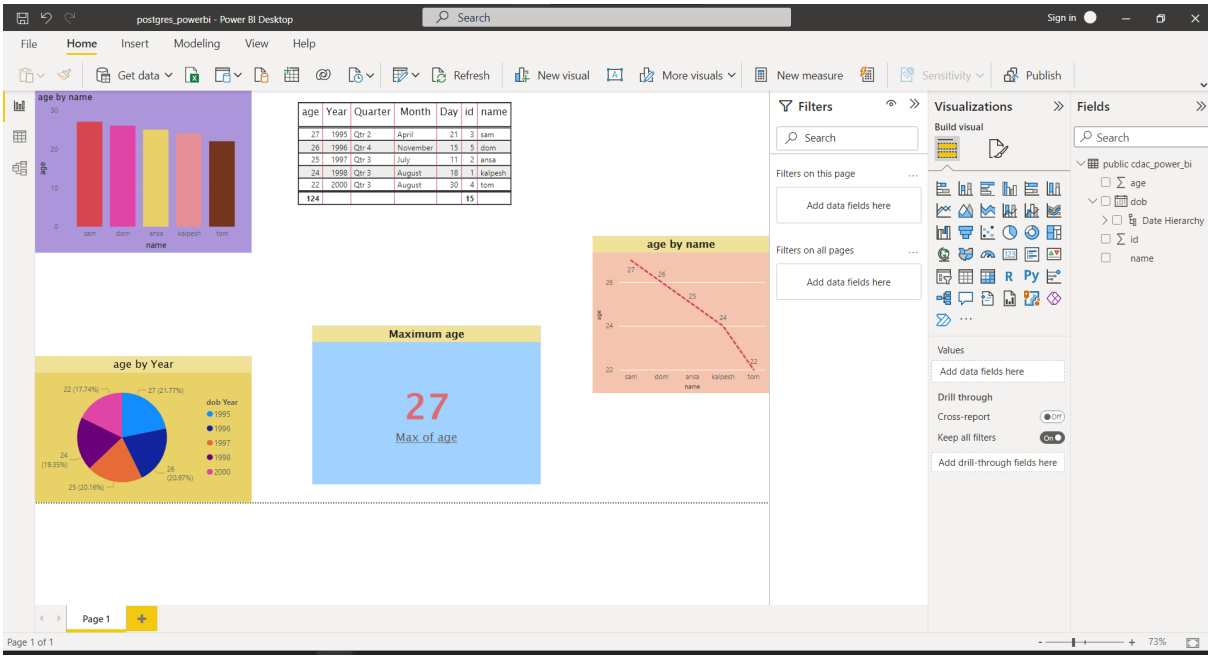
Data Visualization

Q1. Create a sample table in postgres/mysql with following columns (15 Marks)







Q2.On product_table data set do the following (25 Marks)

● Create table chart with title , vendor,customer name,quantity,price,city

● Add new calculated column naming total_sales which is derived from quantity * price

● Add new measure naming max_price to get max of price column and then display every vendor max price in table chart

● Create pie chart showing the value and percentage of quantity by vendors

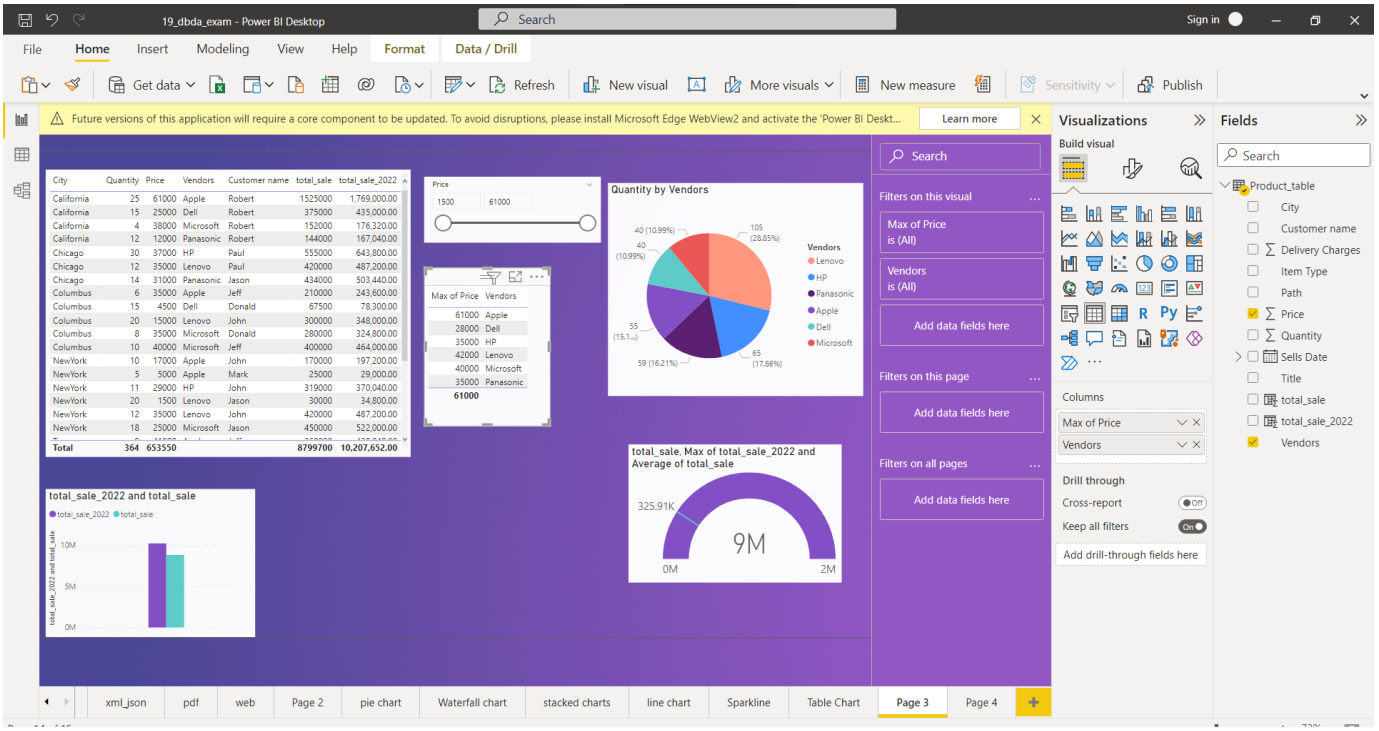
● Create one more column naming total_sales_2022 which is derived from quantity * price * 1.16

● Create clustered column chart showing both total_sales and total_sales_2022

● Create a slicer chart of price

● Calculate avg sales and show in tile

● Create gauge chart with ○ value as total_sales ○ Maximum value as max of total_sales_2022 ○ Target Value as average of total_sales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Microsoft
total_sale, Max of total_sale_2022 and Average of total_sale
325.91K
9M
0M
2M
total_sale_2022 and total_sale
Visualizations
Build visual
Columns
Max of Price
Vendors
Drill through
Cross-report
Keep all filters
Add drill-through fields here
Fields
Product_table
City
Customer name
Delivery Charges
Item Type
Path
Price
Quantity
Sells Date
Title
total_sale
total_sale_2022
Vendors
Filters on this visual
Max of Price is (All)
Vendors is (All)
Add data fields here
Filters on this page
Filters on all pages
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