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

powerbi=# create table cdac\_power\_bi(Name varchar,Id integer,Age Integer,Dob date);

CREATE TABLE

powerbi=# insert into cdac\_power\_bi values('Akshay',1,25,'21/9/1997');

INSERT 0 1

powerbi=# insert into cdac\_power\_bi values('Abubakar',2,25,'8/8/1997');

INSERT 0 1

powerbi=# insert into cdac\_power\_bi values('Aditya',3,26,'1/8/1995');

INSERT 0 1

powerbi=# insert into cdac\_power\_bi values('Anushka',4,24,'13/8/1998');

INSERT 0 1

powerbi=# insert into cdac\_power\_bi values('Amit',5,26,'11/8/1996');

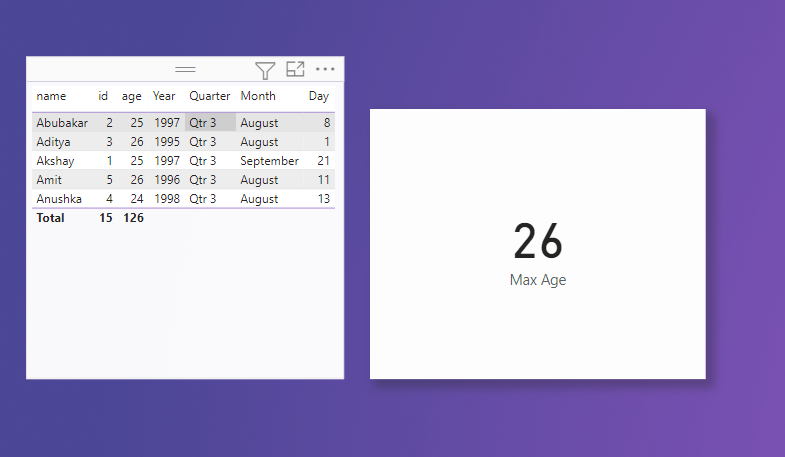
INSERT 0 1



1. Table Chart

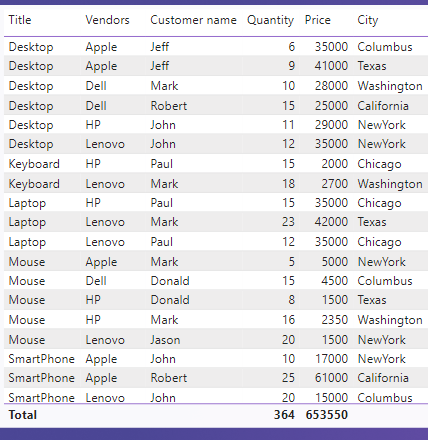
2. Card chart showing max age

Final Report:

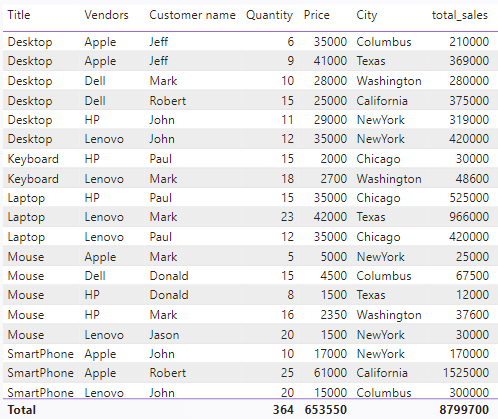


**Q2.On product\_table data set do the following (25 Marks)**

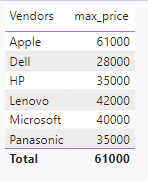
● Create table chart with title , vendor,customer name,quantity,price,city



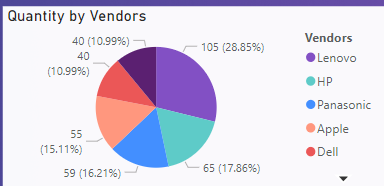
● Add new calculated column naming **total\_sales** which is derived from quantity \* price



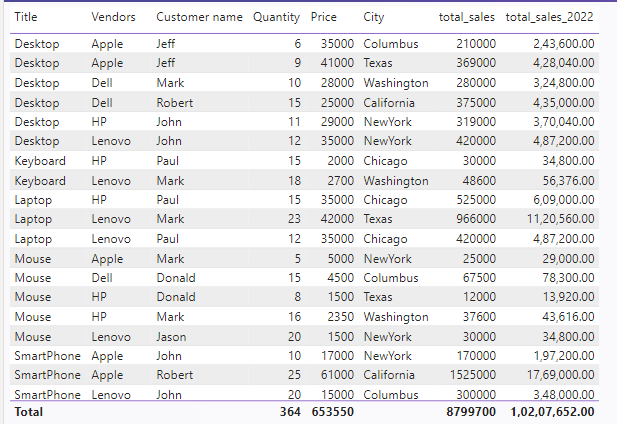
● Add new measure naming max\_price to get max of price column and then display every vendor max price in table chart



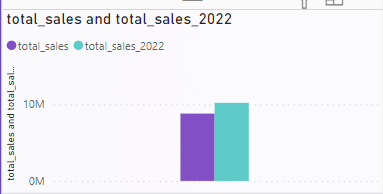
● Create pie chart showing the value and percentage of quantity by vendors



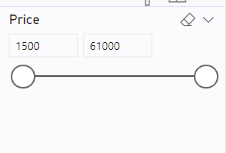
● Create one more column naming **total\_sales\_2022** which is derived from quantity \* price \* 1.16



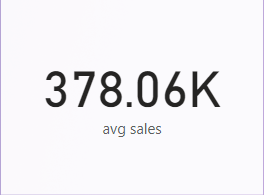
● Create clustered column chart showing both **total\_sales** and **total\_sales\_2022**



● Create a slicer chart of price



● Calculate avg sales and show in tile

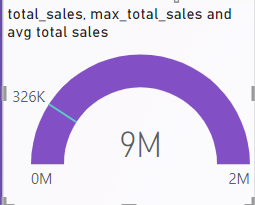


● Create gauge chart with

○ value as total\_sales

○ Maximum value as max of **total\_sales\_2022**

○ Target Value as average of total\_sales



Final Report:

