**Q1. Create a sample table in postgres/mysql with following columns (15 Marks) Table Name : cdac\_power\_bi Column Name - varchar Id- integer Age- integer Dob – date**

***Solution***

powerbi\_exam=# create table cdac\_power\_bi(Name varchar(20),Id int, Age int,Dob date);

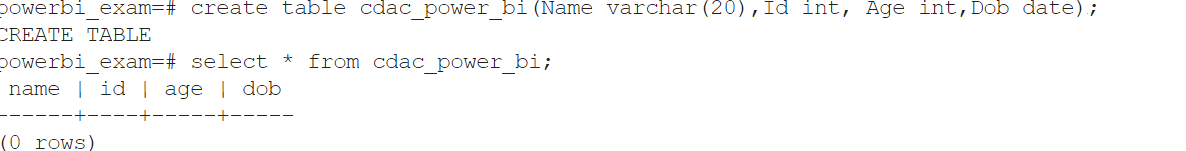
CREATE TABLE

powerbi\_exam=# select \* from cdac\_power\_bi;

name | id | age | dob

------+----+-----+-----

(0 rows)



powerbi\_exam=# insert into cdac\_power\_bi(Name, Id, Age, Dob) values('Amar',1,35,'1987-08-12');

INSERT 0 1

powerbi\_exam=# select \* from cdac\_power\_bi;

name | id | age | dob

------+----+-----+------------

Amar | 1 | 35 | 1987-08-12

(1 row)

powerbi\_exam=# insert into cdac\_power\_bi(Name, Id, Age, Dob) values('Amit',2,32,'1990-09-11');

INSERT 0 1

powerbi\_exam=# insert into cdac\_power\_bi(Name, Id, Age, Dob) values('Aman',3,36,'1986-06-12');

INSERT 0 1

powerbi\_exam=# insert into cdac\_power\_bi(Name, Id, Age, Dob) values('Ankit',4,40,'1982-01-23');

INSERT 0 1

powerbi\_exam=# insert into cdac\_power\_bi(Name, Id, Age, Dob) values('Arun',5,30,'1992-05-19');

INSERT 0 1

powerbi\_exam=# select \* from cdac\_power\_bi;

name | id | age | dob

-------+----+-----+------------

Amar | 1 | 35 | 1987-08-12

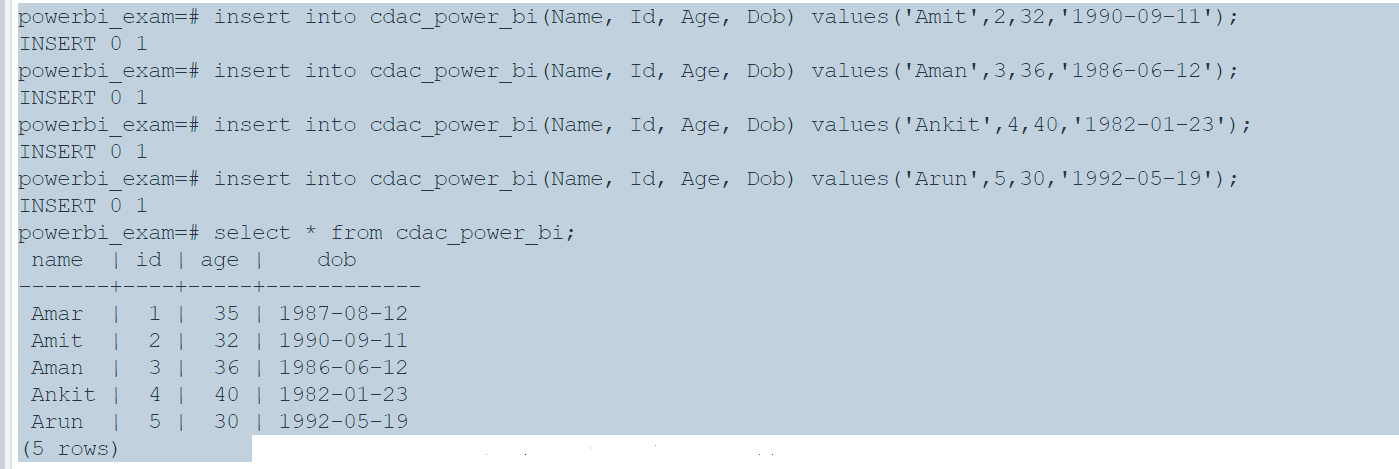
Amit | 2 | 32 | 1990-09-11

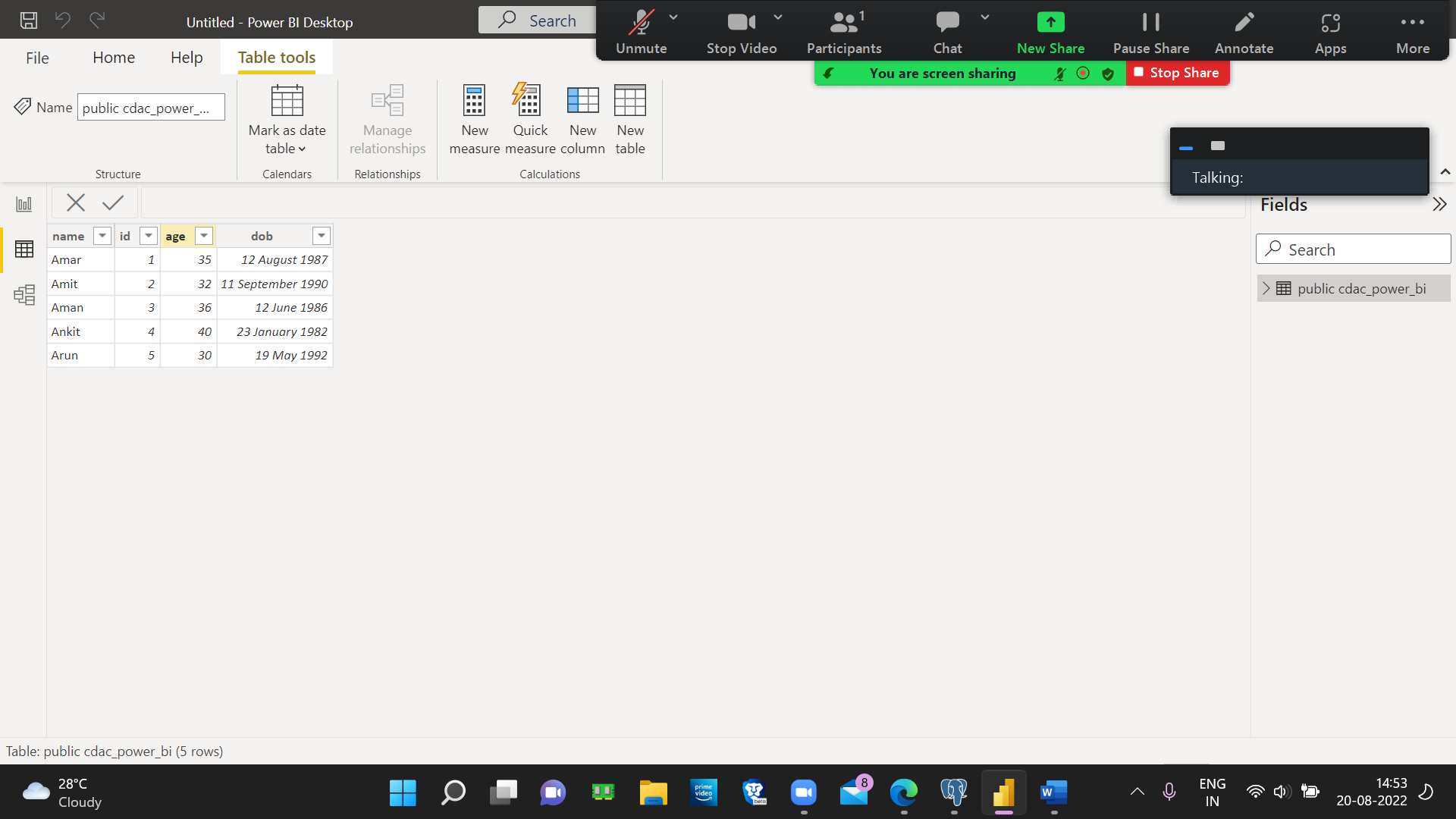
Aman | 3 | 36 | 1986-06-12

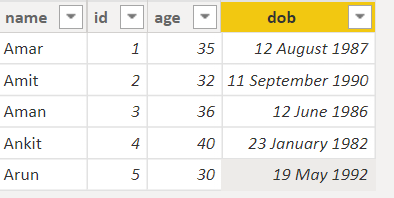
Ankit | 4 | 40 | 1982-01-23

Arun | 5 | 30 | 1992-05-19

(5 rows)

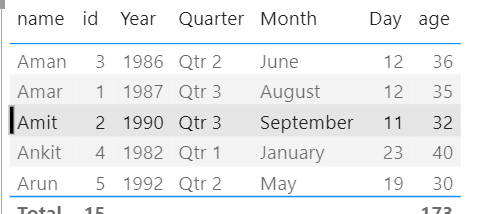






Insert 5 dummy rows into it and then connect to superset and populate

1. Table Chart



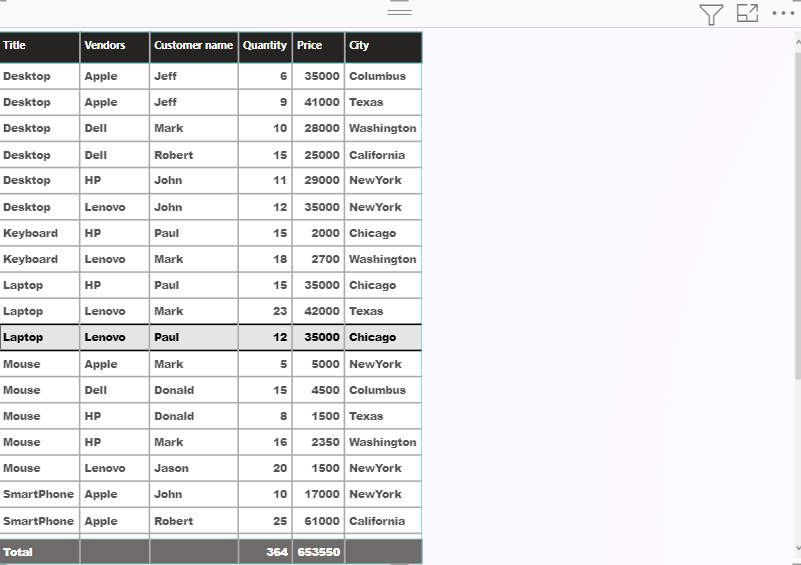
2. Card chart showing max age



**QUESTION 2**

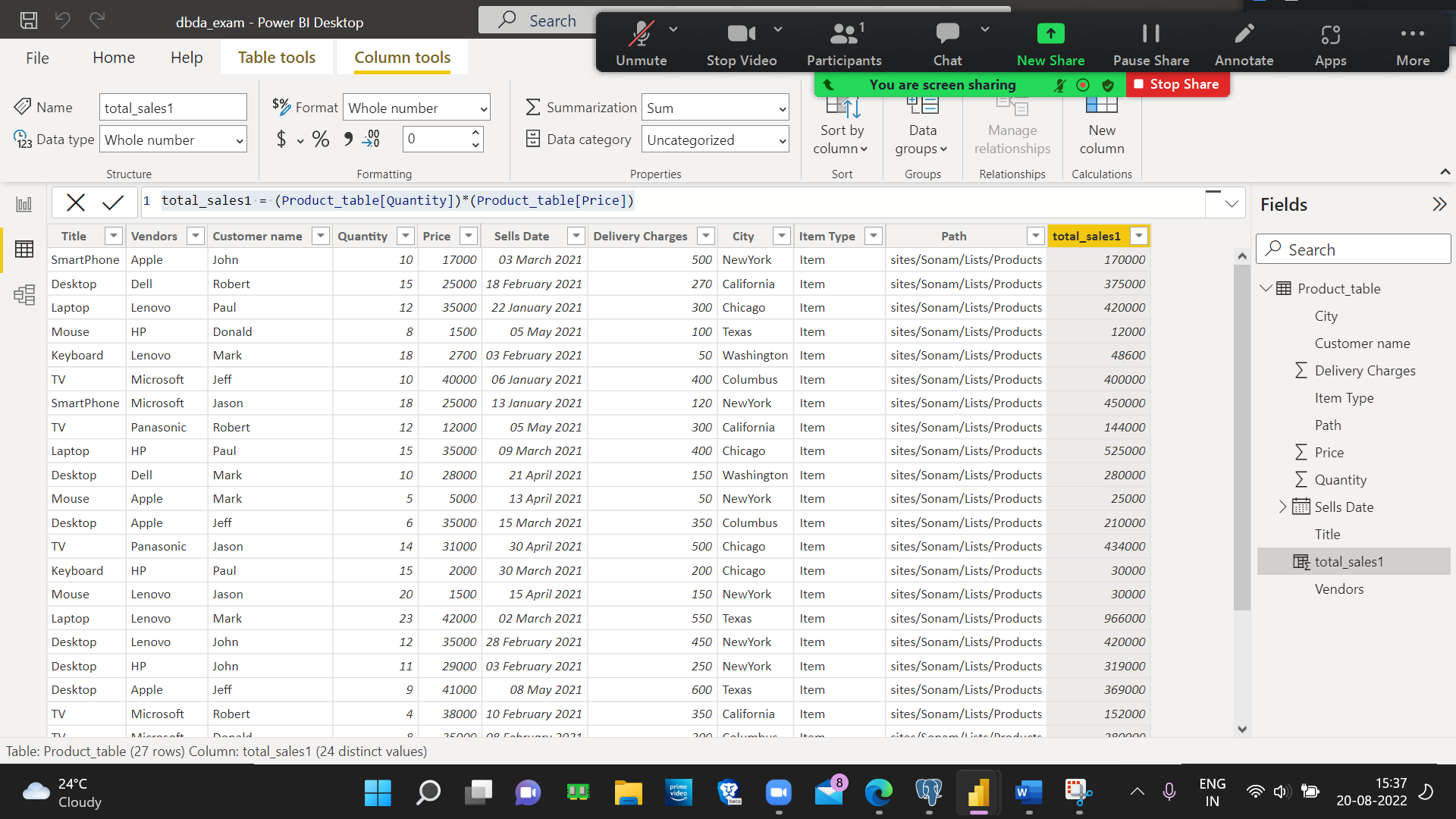
Q2.On product\_table data set do the following (25 Marks)

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



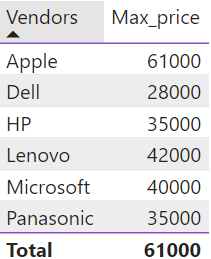
1. Add new calculated column naming total\_sales which is derived from quantity \* price

total\_sales1 = (Product\_table[Quantity])\*(Product\_table[Price])

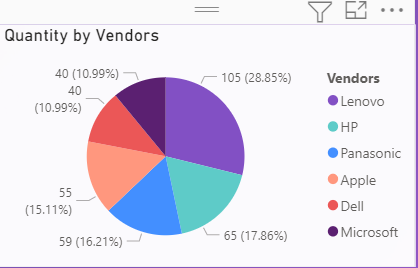


1. Add new measure naming max\_price to get max of price column and then display every vendor max price in table chart

Max\_price = MAX([Price])

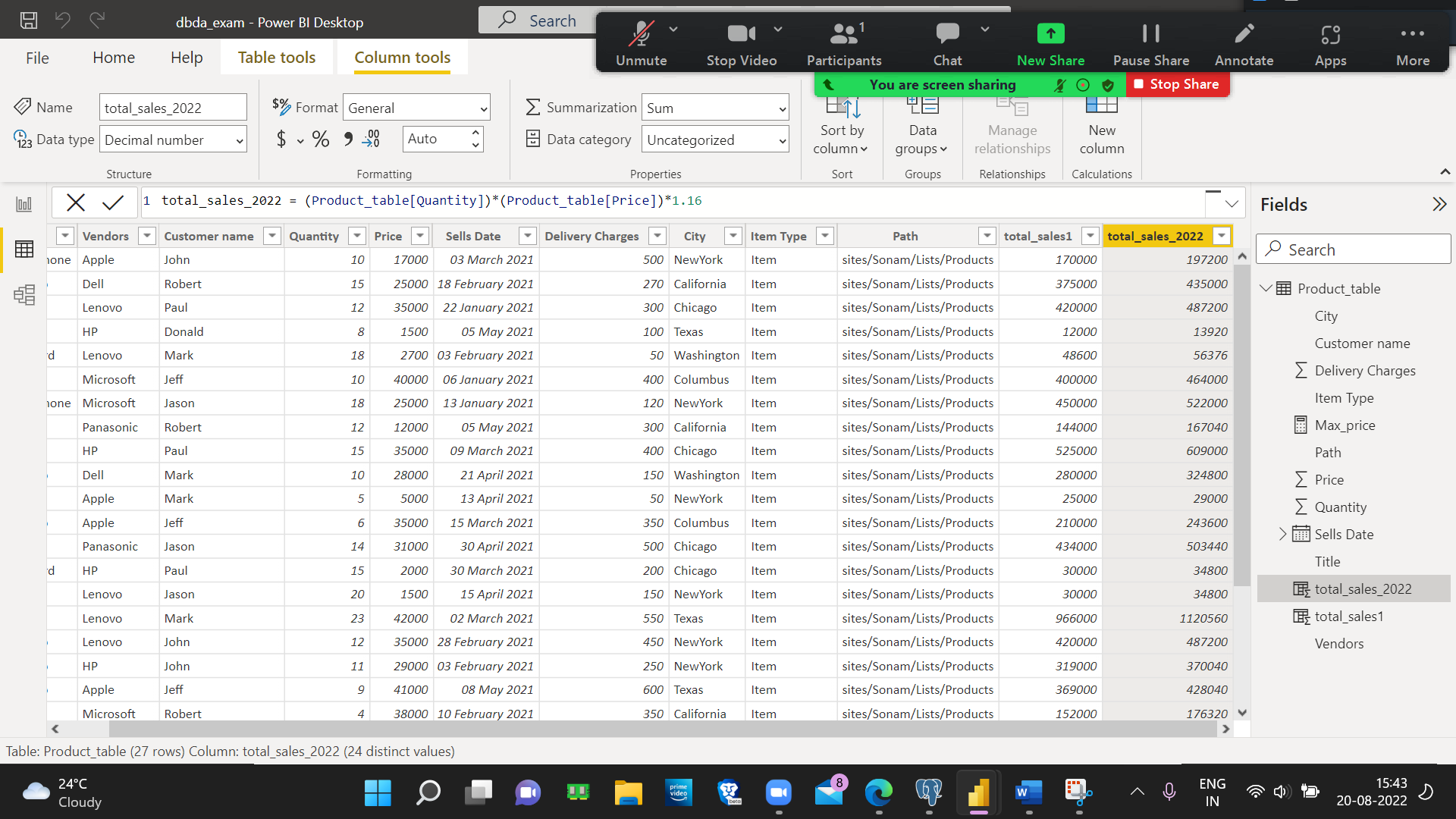


1. Create pie chart showing the value and percentage of quantity by vendors

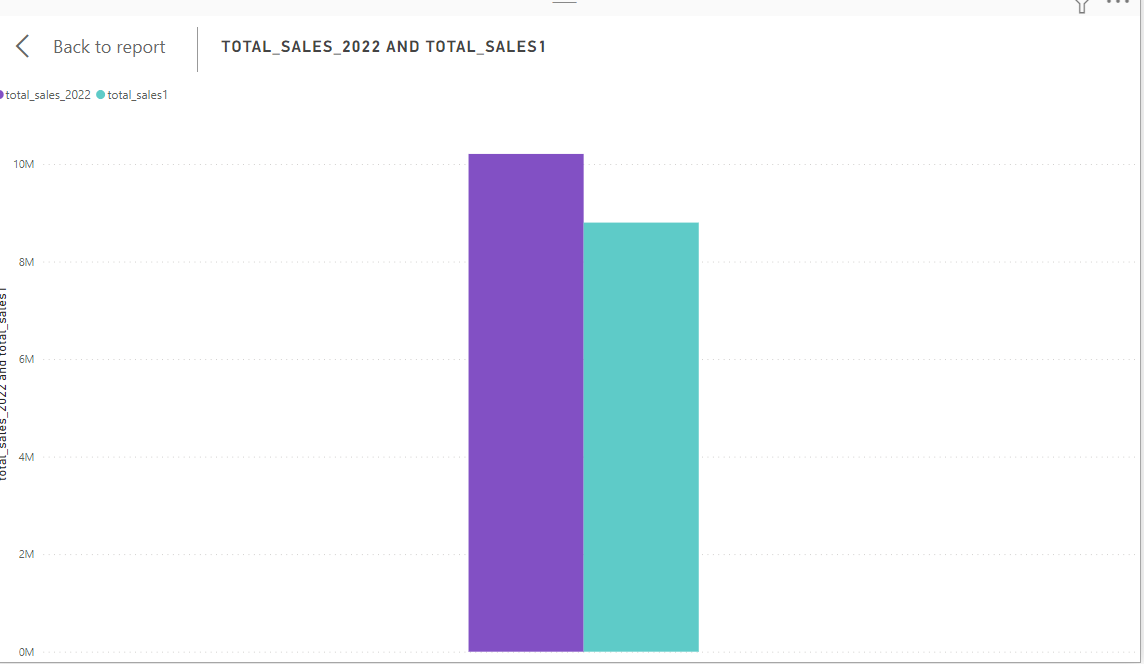


5.Create one more column naming total\_sales\_2022 which is derived from quantity \* price \* 1.16

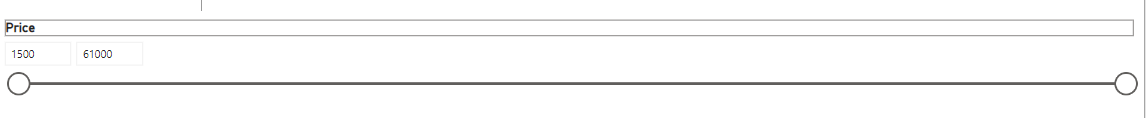
total\_sales\_2022 = (Product\_table[Quantity])\*(Product\_table[Price])\*1.16



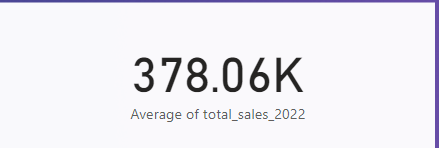
6.Create clustered column chart showing both total\_sales and total\_sales\_2022



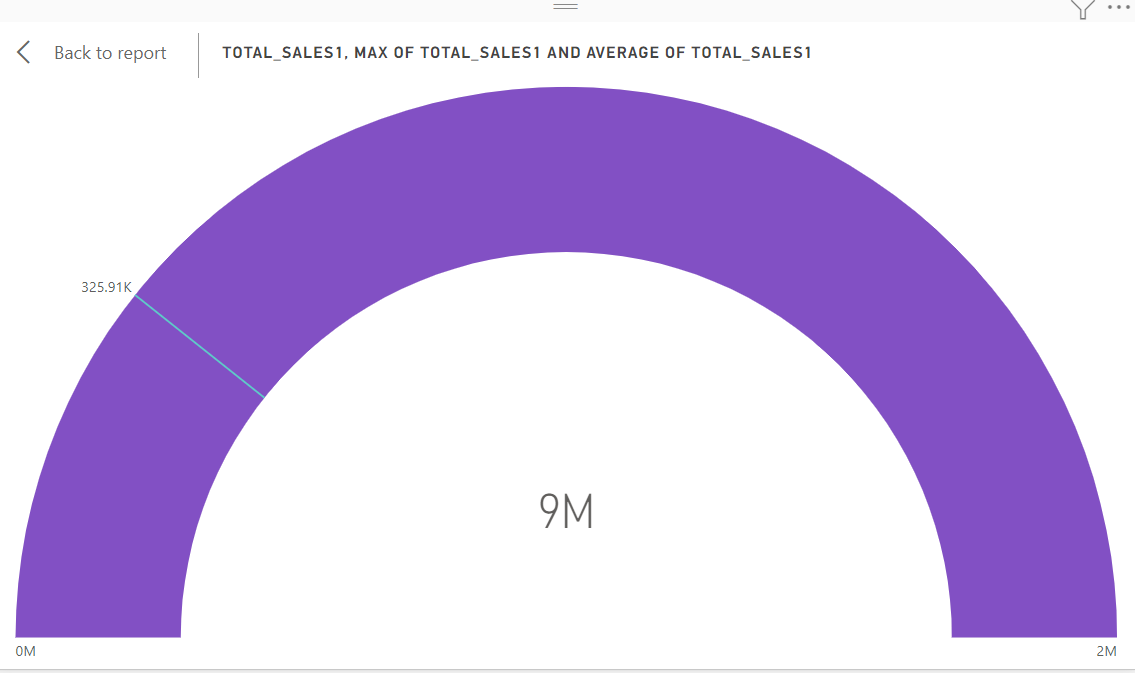
7. Create a slicer chart of price

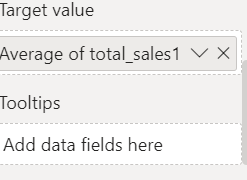
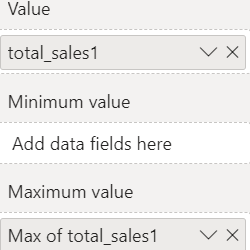


8.Calculate avg sales and show in tile



10.Create gauge chart with ○ value as total\_sales ○ Maximum value as max of total\_sales\_2022 ○ Target Value as average of total\_sale





FINAL

