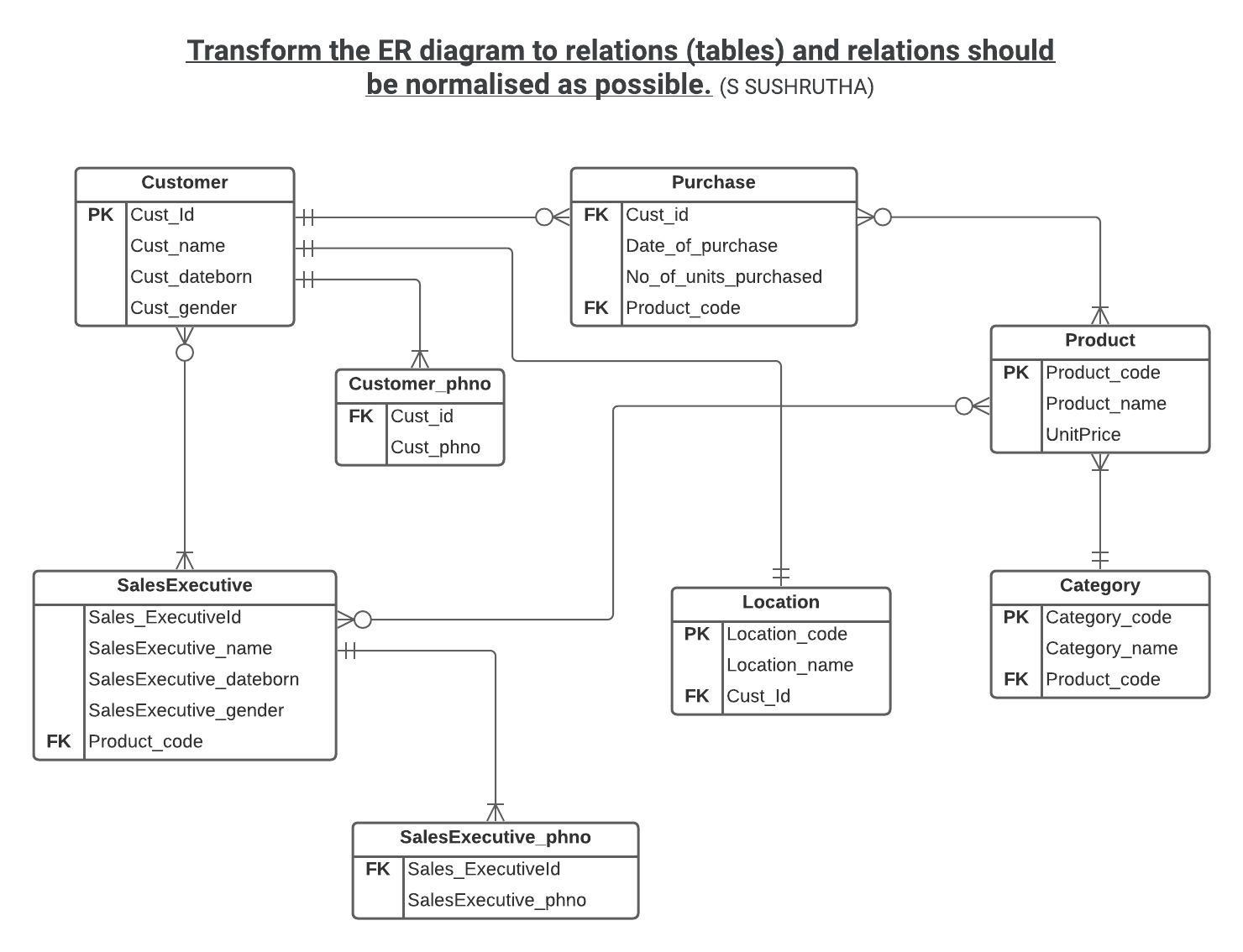
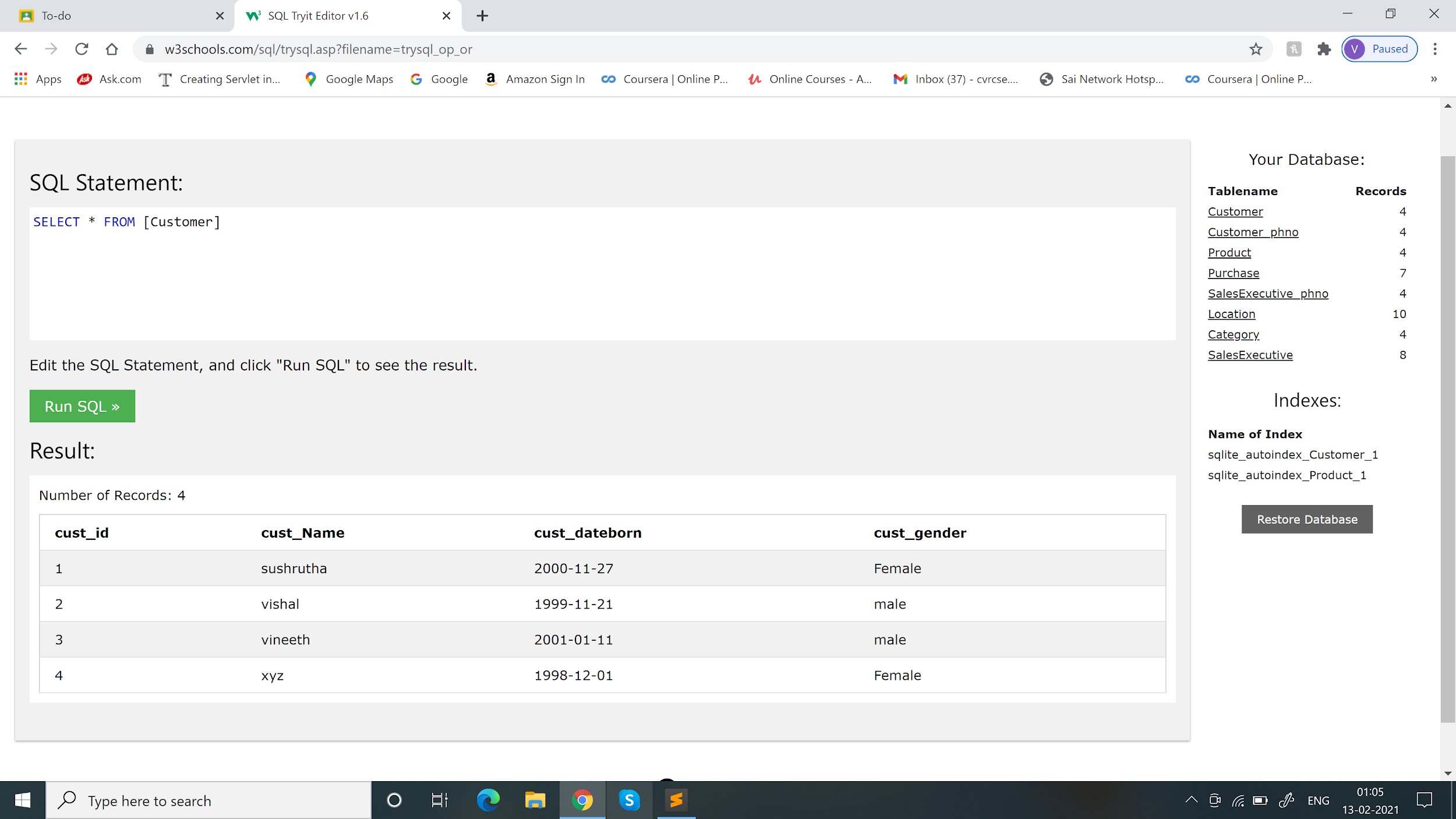
Assuming you are ready with the ER Model (from Morning session Assignment), transform it into a Database schema.



**1. Create tables and keep up the good practices.**(Creating and inserting values into tables)

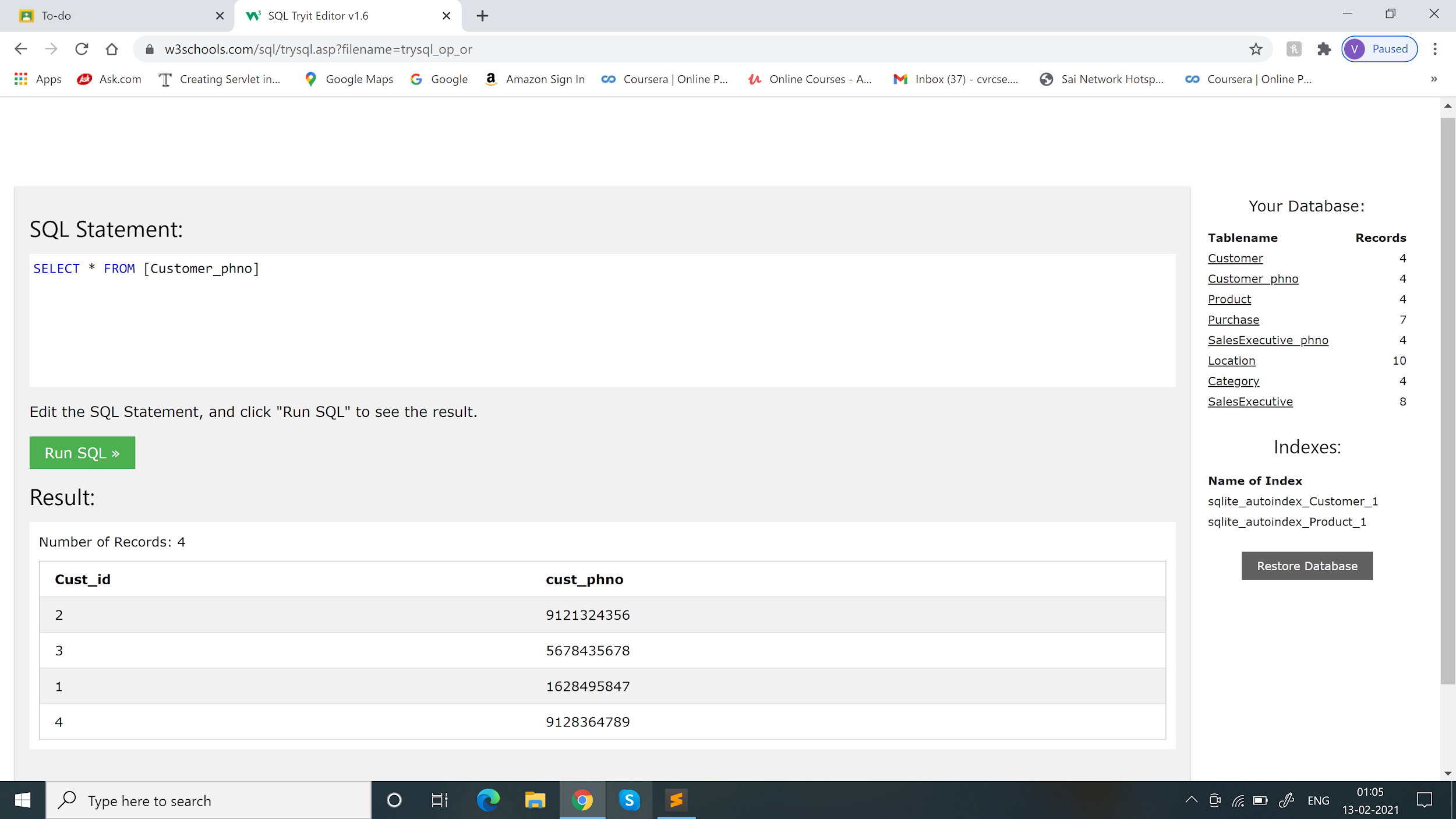
create table **Customer** (cust\_id Int NOT NULL,cust\_Name varchar(20),cust\_dateborn DATE,cust\_gender varchar(10),PRIMARY KEY(cust\_id))

insert into Customer values(1,"sushrutha","2000-11-27","Female"),(2,"vishal","1999-11-21","male"),(3,"vineeth","2001-01-11","male"),(4,"xyz","1998-12-01","Female")

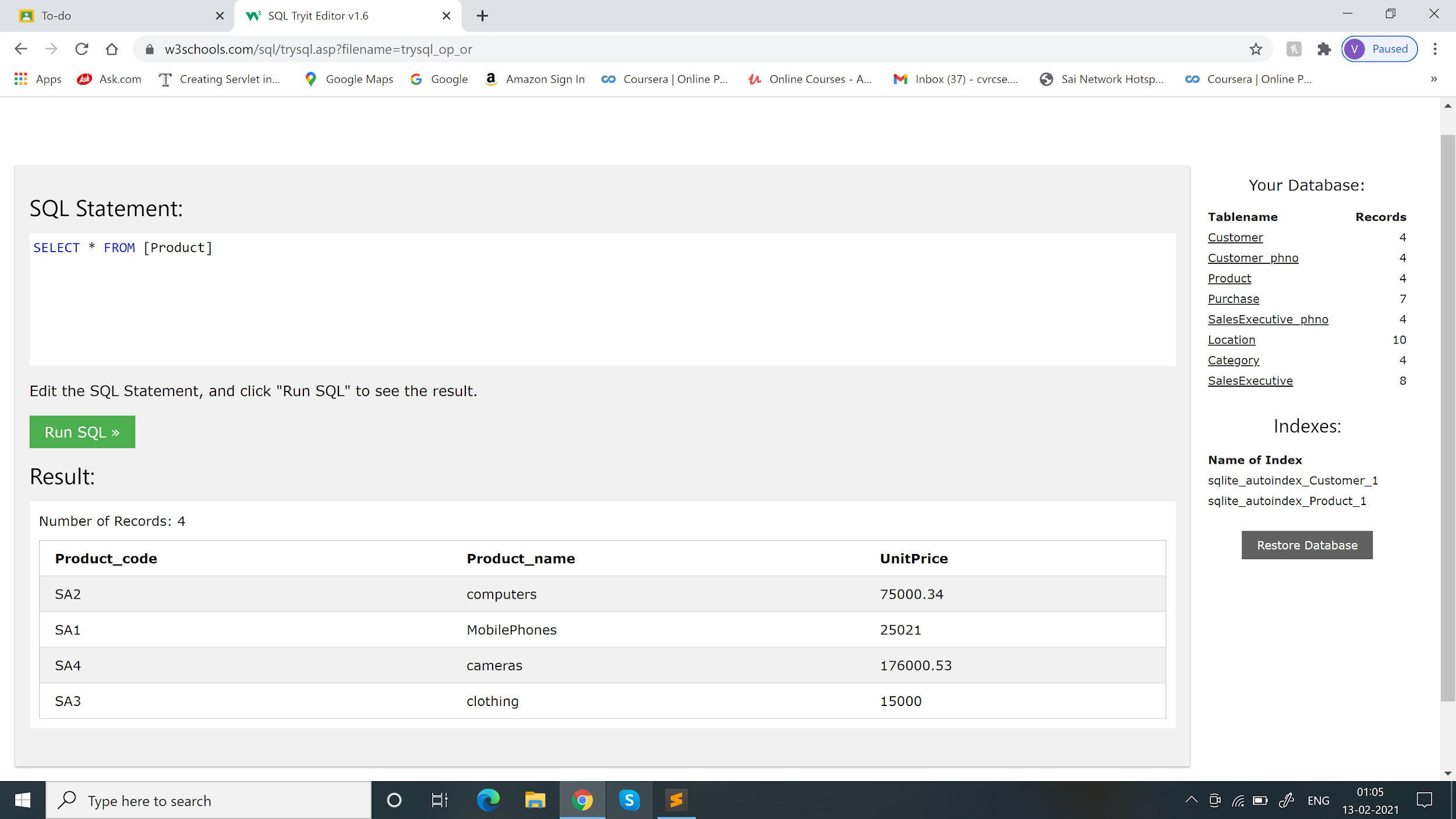


create table **Customer\_phno**(Cust\_id int,cust\_phno int,FOREIGN KEY (Cust\_id) REFERENCES Customer(Cust\_id))

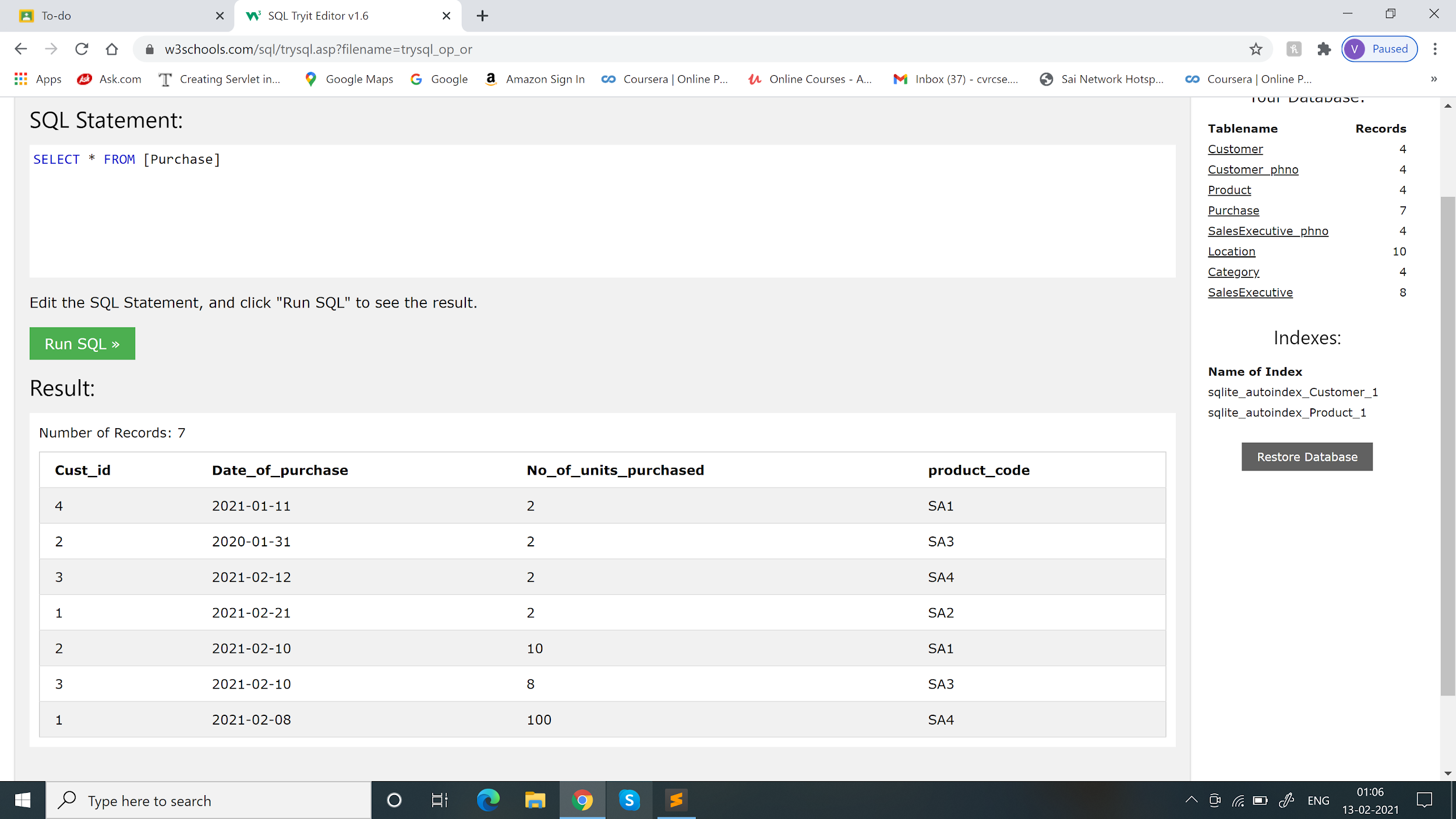
insert into Customer\_phno values(2,"9121324356"),(3,"5678435678"),(1,"1628495847"),(4,"9128364789")



create table **Product**(Product\_code varchar(20),Product\_name varchar(20),UnitPrice float(6),PRIMARY KEY(Product\_code))

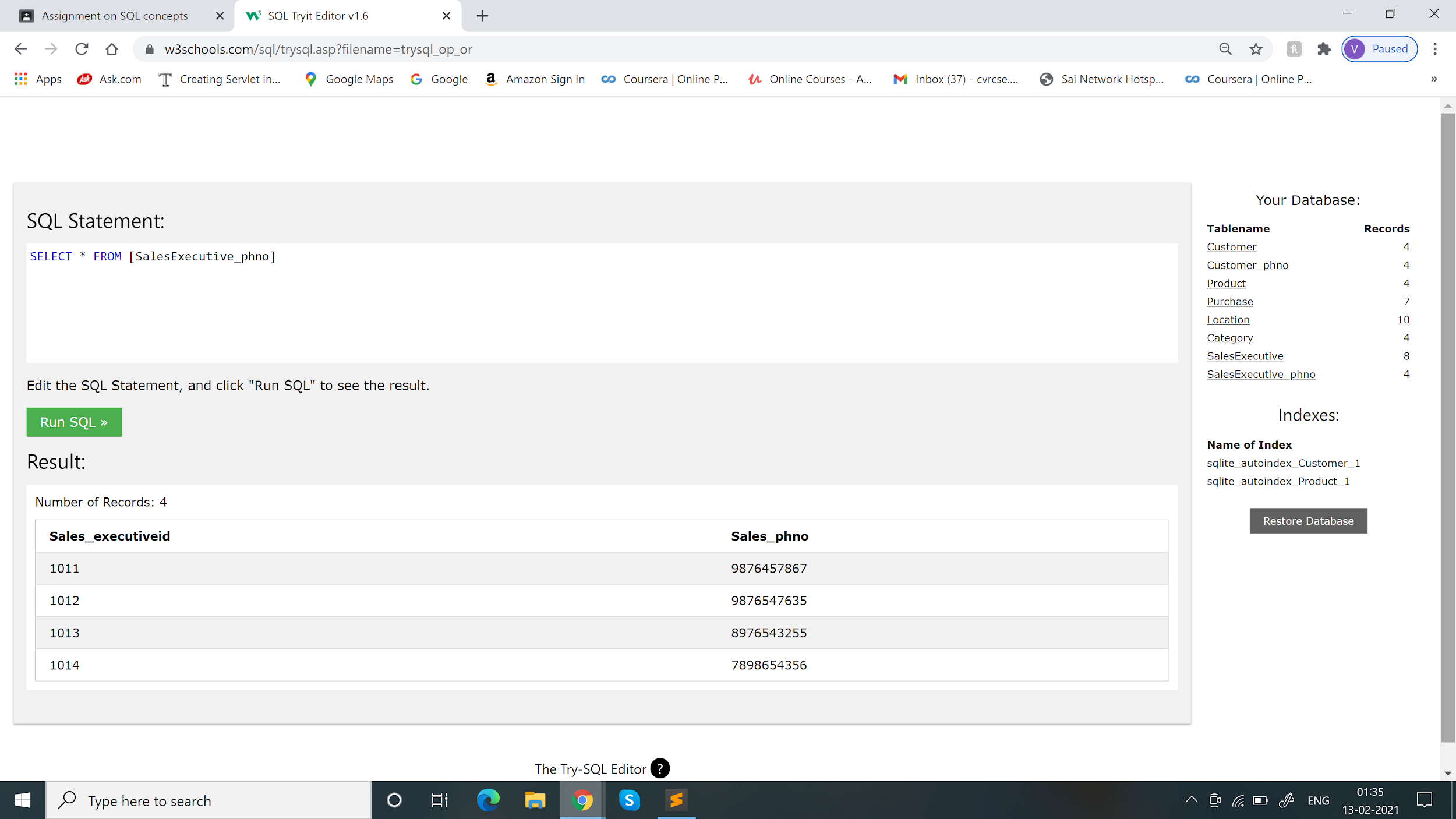
insert into Product values("SA2","computers",75000.34),("SA1","MobilePhones",25021.00),("SA4","cameras",176000.53),("SA3","clothing",15000.00)

create table **Purchase**(Cust\_id int,Date\_of\_purchase CURRENT\_DATE,No\_of\_units\_purchased INT,product\_code varchar(20),FOREIGN KEY (Cust\_id) REFERENCES Customer(Cust\_id),FOREIGN KEY (product\_code) REFERENCES Product(product\_code))

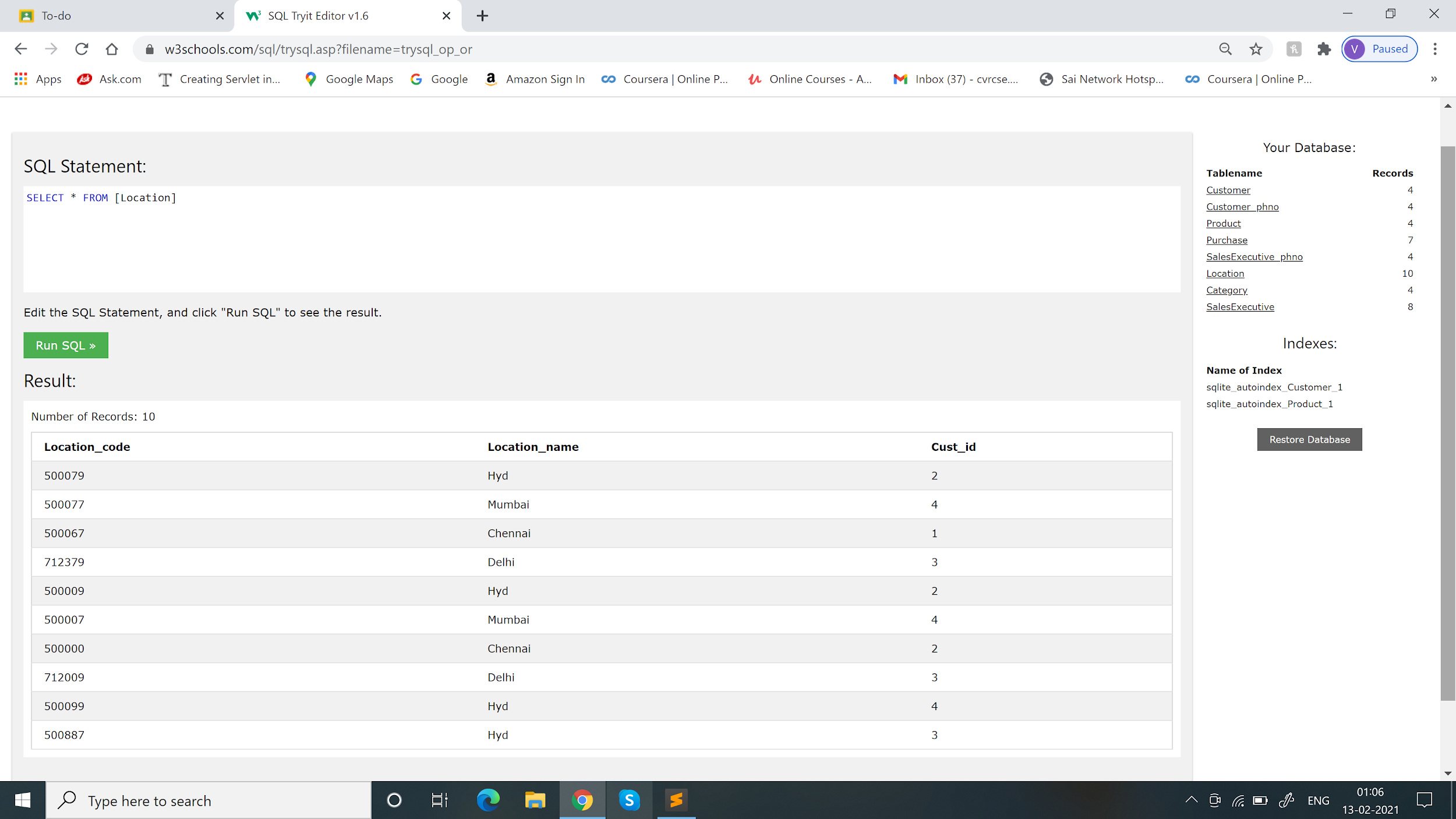
insert into Purchase values(2,"2020-01-31",2,"SA3"),(3,"2021-02-12",2,"SA4"),(1,"2021-02-21",2,"SA2")

create table **SalesExecutive\_phno**(Sales\_executiveid int,Sales\_phno int,FOREIGN KEY (Sales\_executiveid) REFERENCES SalesExecutive(Sales\_executiveid))

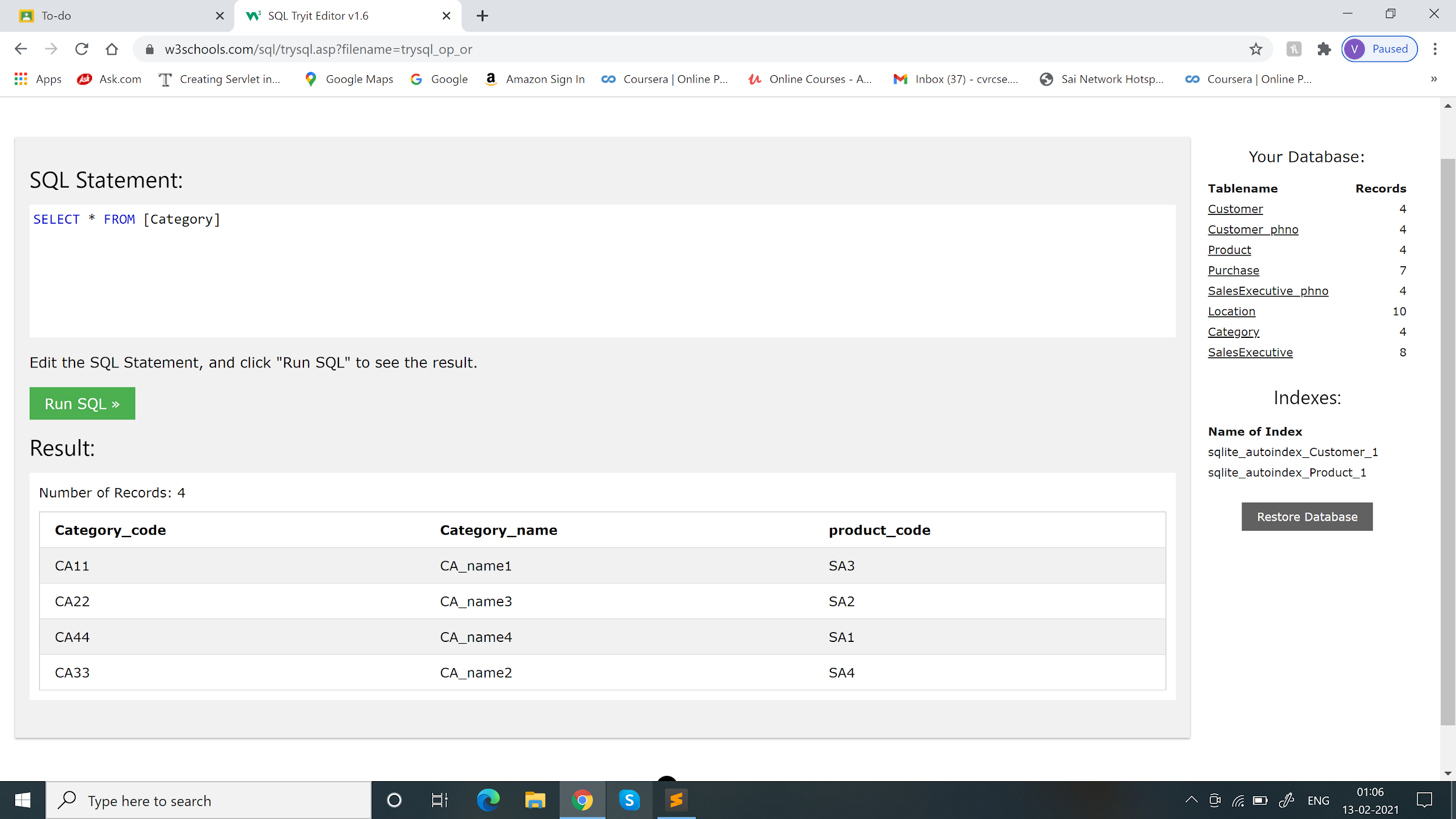
insert into SalesExecutive\_phno values(1011,"9876457867"),(1012,"9876547635"),(1013,"8976543255"),(1014,"7898654356")



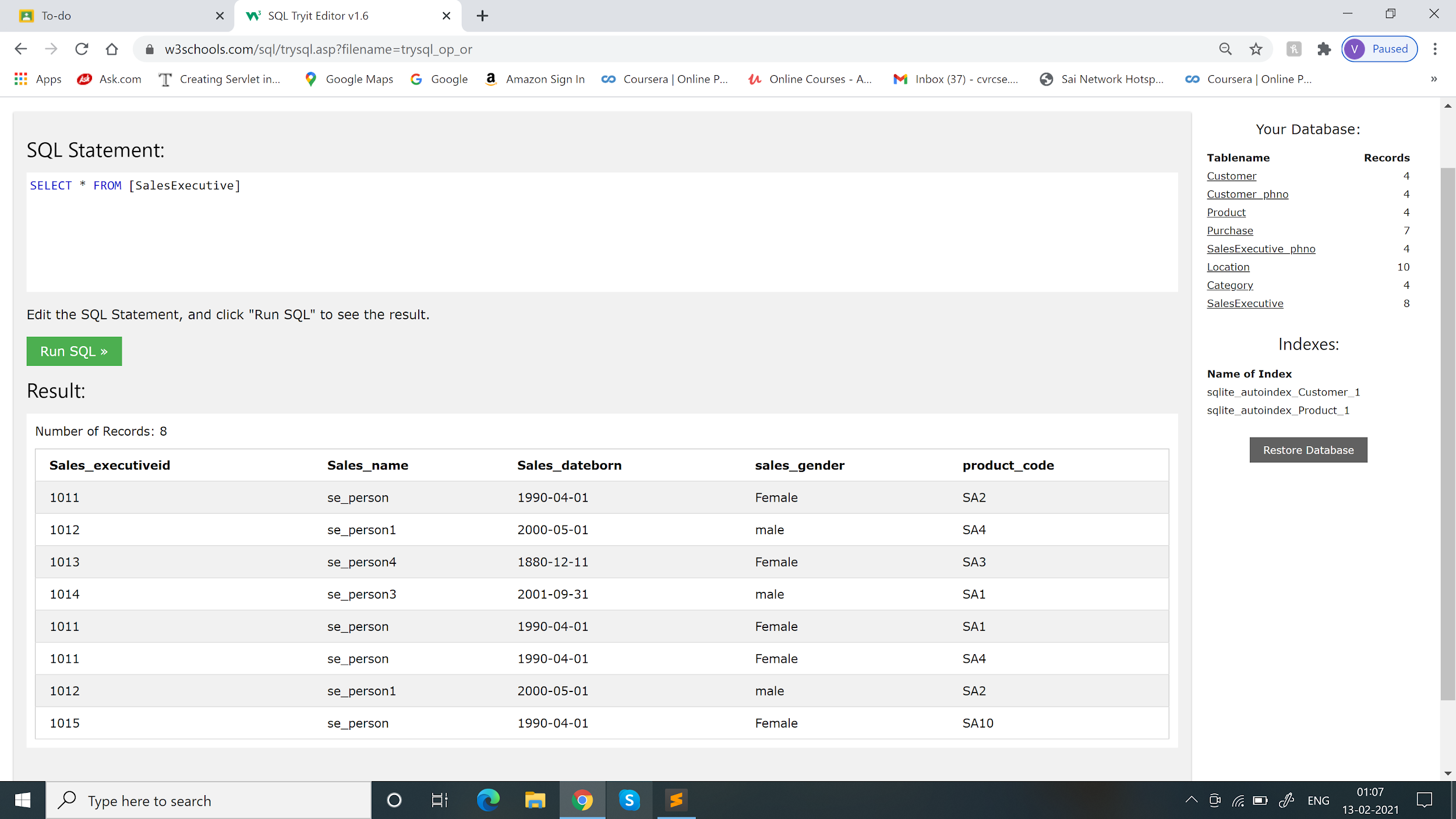
create table **Location**(Location\_code int NOT NULL,Location\_name varchar(20),Cust\_id int,PRIMARY KEY (Location\_code),FOREIGN KEY (Cust\_id) REFERENCES Customer(Cust\_id))

insert into Location values(500079,"Hyd",2),(500077,"Mumbai",4),(500067,"Chennai",1),(712379,"Delhi",3)

create table **Category** (Category\_code varchar(10) not null,Category\_name varchar(20),product\_code int,FOREIGN KEY (product\_code) REFERENCES Product(product\_code))

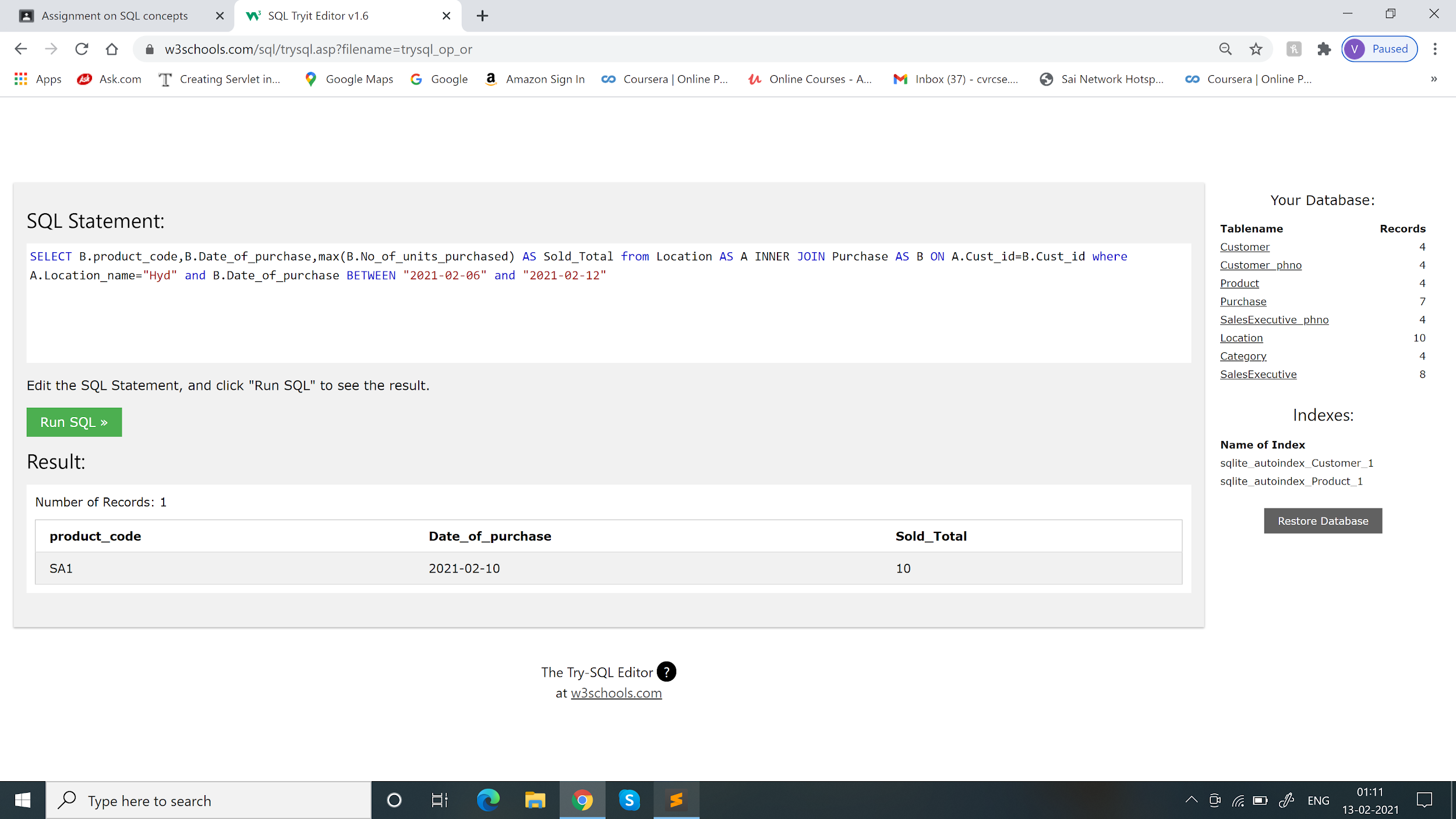
insert into Category values("CA11","CA\_name1","SA3"),("CA22","CA\_name3","SA2"),("CA44","CA\_name4","SA1"),("CA33","CA\_name2","SA4")

create table **SalesExecutive** (Sales\_executiveid int,Sales\_name varchar(20),Sales\_dateborn DATE,sales\_gender varchar(20),product\_code varchar(20),FOREIGN KEY(product\_code) references Product(product\_code))

insert into SalesExecutive values(1011,"se\_person","1990-04-01","Female","SA2"),(1012,"se\_person1","2000-05-01","male","SA4"),(1013,"se\_person4","1880-12-11","Female","SA3"),(1014,"se\_person3","2001-09-31","male","SA1")

**2. Write a query to retrieve the most sold product per day in a specific location in the last week. You can pick the location of your choice.**

SELECT B.product\_code,max(B.No\_of\_units\_purchased) AS total from Location AS A INNER JOIN Purchase AS B ON A.Cust\_id=B.Cust\_id where A.Location\_name="Hyd" and B.Date\_of\_purchase BETWEEN "2021-02-06" and "2021-02-12"



**3. Write a query to list all the salesperson's details along with the count of products sold by them (if any) till the current date.**

SELECT A.Sales\_executiveid ,A.Sales\_name,count(B.product\_code) AS Total from SalesExecutive AS A INNER JOIN Product AS B ON A.product\_code=B.product\_code Group By A.Sales\_executiveid

