--Harpreet Singh

--041127993

-- Create A Customers table

create table Customers(

customer\_id int primary key,

name varchar(45) not null,

email varchar(45) not null,

phone\_Number varchar(45) not null,

street\_Address varchar(45) not null,

City varchar(45) not null,

province char(4) not null,

Postal\_Code char(8) not null

);

--Create A orders table

Create Table orders(

ID int Primary key,

order\_Date date,

customer\_ID int,

Foreign key (customer\_ID) REFERENCES customers(customer\_ID)

);

--Create a product\_Type table

Create Table product\_Type (

product\_Type\_ID int primary key,

name varchar(45) not null

);

--Create a products table

CREATE TABLE Products (

ID INT PRIMARY KEY,

Name VARCHAR(45),

Description VARCHAR(45),

Price INT,

Product\_Type\_ID INT,

FOREIGN KEY (Product\_Type\_ID) REFERENCES Product\_Type(Product\_Type\_ID)

);

--Inserting some records into the customer's table

INSERT INTO Customers (Customer\_ID,Name, Email, Phone\_Number, street\_Address, City,province, Postal\_Code) VALUES

(1, 'Harpreet','happy.singh@gmail.com', '123-456-7890', 'Elm St', 'Ottawa', 'ON ', '12345') ,

(2, 'Vasu','vasu.@x@gmail.com', '234-567-8901', '456 Oak St', 'Riverside', 'ON', '23456'),

(3, 'Patel','p@example.com', '345-678-9012', '789 Maple St', 'Barheaven', 'ON', '34567'),

(4, 'Alice',' Alice.G@com', '456-789-0123', '135 Pine St', 'MountainView', 'ON', '45678'),

(5, 'Bob','bob@gmail.com', '567-890-1234', '246 Cedar St', 'Lakeside', 'ON', '56789');

--Insert the given product types into the product\_types table

INSERT INTO Product\_Type (Product\_Type\_ID, Name) VALUES

(1, 'Software'),

(2, 'Hardware'),

(3, 'Service');

--Insert given records into the products table

INSERT INTO Products (ID, Name, description, price, Product\_Type\_ID) VALUES

(1, 'Windows', 'Operating system software', 119, 1),

(2, 'Visual Studio', 'Integrated development environment', 499, 1),

(3, 'Mouse', 'Wireless optical mouse', 25, 2),

(4, 'Keyboard', 'Mechanical keyboard with RGB lighting', 79, 2),

(5, 'Consulting Service', 'Hourly IT consulting', 150, 3),

(6, 'Antivirus Software', 'Protection against malware and viruses', 39, 1);

--updating phone number and postalcode respectively

UPDATE Customers

SET Phone\_Number = '678-901-2345'

WHERE Customer\_ID = 2;

UPDATE Customers

SET Postal\_Code = '67890'

WHERE Customer\_ID = 4;

--Delete the product type

DELETE FROM Products WHERE Product\_Type\_ID = 1;

DELETE FROM Product\_Type WHERE Name = 'Software';

Here is the result of pgAdmin for the given question

A computer screen shot of a black screen

Description automatically generated