

Lesson 9: Insert and Update

1. **Create** a table with the following parameters:

- CustomerID
- CustomerName
- Address
- City
- PostalCode
- Country
- Email

Create Table customers(

CustomerID serial Primary Key,

CustomerName VARCHAR(50) NOT NULL,

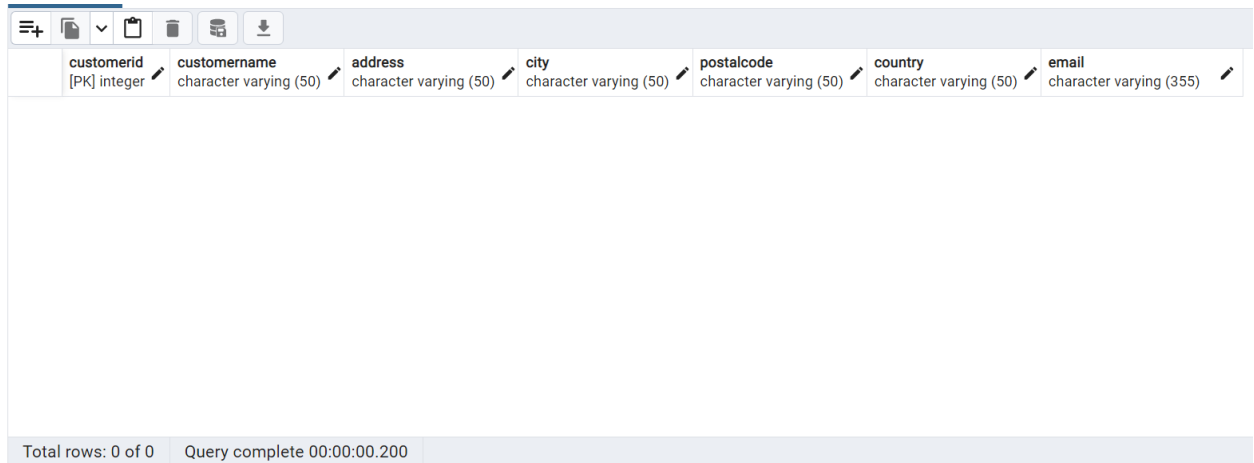
Address VARCHAR(50) NOT NULL,

City VARCHAR(50) NOT NULL,

PostalCode VARCHAR(50) NOT NULL,

Country VARCHAR(50) NOT NULL,

Email VARCHAR(355) UNIQUE NOT NULL)



The screenshot shows a database table editor interface. At the top, there is a toolbar with icons for adding, deleting, and saving. Below the toolbar, the table structure is displayed as a table with columns: customerid, customername, address, city, postalcode, country, and email. Each column has a data type and length specified in parentheses. The 'customerid' column is marked as the primary key (PK) and is of type integer. The other columns are of type character varying with lengths of 50 or 355. The 'email' column is marked as unique. Below the table structure, there is a status bar showing 'Total rows: 0 of 0' and 'Query complete 00:00:00.200'.

customerid	customername	address	city	postalcode	country	email
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2. Insert 3 rows of data into these columns using **INSERT**. The data you insert should make sense for the column.

```
INSERT INTO Customers VALUES(101, 'Chris Evans', '8065 Mountainview Avenue', 'Whitehall', '18052', 'US', 'ChrisEvans@aol.com');
```

```
INSERT INTO Customers VALUES(102, 'Chris Hemsworth', '15 Gregory Avenue', 'New York', '10002', 'US', 'ChrisHemsworth@msn.com');
```

INSERT INTO Customers VALUES(103, 'Chris Pratt', '83 Elmwood Street', 'Olney', '20832', 'US', 'ChrisPratt@live.com')

	customerid [PK] integer	customername character varying (50)	address character varying (50)	city character varying (50)	postalcode character varying (50)	country character varying (50)	email character varying (355)
1	101	Chris Evans	8065 Mountainview A...	Whitehall	18052	US	ChrisEvans@aol.com
2	102	Chris Hemsworth	15 Gregory Avenue	New York	10002	US	ChrisHemsworth@msn...
3	103	Chris Pratt	83 Elmwood Street	Olney	20832	US	ChrisPratt@live.com

Total rows: 3 of 3 Query complete 00:00:00.098

- Use an **UPDATE** to modify any portion of the data

UPDATE customers

SET email = 'ChrisEvans@gmail.com'

Where CustomerId = 101

	customerid [PK] integer	customername character varying (50)	address character varying (50)	city character varying (50)	postalcode character varying (50)	country character varying (50)	email character varying (355)
1	102	Chris Hemsworth	15 Gregory Avenue	New York	10002	US	ChrisHemsworth@msn.co...
2	103	Chris Pratt	83 Elmwood Street	Olney	20832	US	ChrisPratt@live.com
3	101	Chris Evans	8065 Mountainview Aven...	Whitehall	18052	US	ChrisEvans@gmail.com

Total rows: 3 of 3 Query complete 00:00:00.220

- Finally, write a statement to **delete** one row of data.

Delete from customers where CustomerId = 101

	customerid [PK] integer	customername character varying (50)	address character varying (50)	city character varying (50)	postalcode character varying (50)	country character varying (50)	email character varying (355)
1	102	Chris Hemsworth	15 Gregory Avenue	New York	10002	US	ChrisHemsworth@msn...
2	103	Chris Pratt	83 Elmwood Street	Olney	20832	US	ChrisPratt@live.com

Total rows: 2 of 2 Query complete 00:00:00.063