

Name: Vitoria Tai

## Lesson 9: Insert and Update

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

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

Query Editor   Query History

```
1 CREATE TABLE lesson9 (  
2     CustomerID serial primary key,  
3     CustomerName varchar(255) not null,  
4     Address varchar(255) not null,  
5     City varchar(255),  
6     PostalCode varchar(255),  
7     Country varchar(255),  
8     Email varchar(255)  
9 );  
10  
11 select*from lesson9;  
12  
13 insert into lesson9 (CustomerName, City) values ('Udon', 'New Jersey');
```

Explain   Data Output   Messages   Notifications

	customerid [PK] integer	customername character varying (255)	address character varying (255)	city character varying (255)	postalcode character varying (255)	country character varying (255)
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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.

```
11 select*from lesson9;  
12  
13 insert into lesson9 (CustomerName, Address) values ('Udon', 'New Jersey');  
14 insert into lesson9 (CustomerName, Address) values ('Tony', 'Rio de Janeiro');  
15 insert into lesson9 (CustomerName, Address) values ('Bogey', 'New York');  
16
```

Explain   Data Output   Messages   Notifications

	customerid [PK] integer	customername character varying (255)	address character varying (255)	city character varying (255)	postalcode character varying (255)	country character varying
1	5	Udon	New Jersey	New Jersey	[null]	[null]
2	7	Udon	New Jersey	New Jersey	[null]	[null]
3	9	Tony	Rio de Janeiro	[null]	[null]	[null]
4	10	Bogey	New York	[null]	[null]	[null]
5	11	Udon	New Jersey	[null]	[null]	[null]

### 3. Use an **UPDATE** to modify any portion of the data

```
11 select*from lesson9;
12
13 insert into lesson9(CustomerName, Address) values('Udon', 'New Jersey');
14 insert into lesson9(CustomerName, Address) values('Tony', 'Rio de Janeiro');
15 insert into lesson9(CustomerName, Address) values('Bogey', 'New York');
16
17 update lesson9 set postalcode = '12356';
18
```

Explain Data Output Messages Notifications

	customerid [PK] integer	customername character varying (255)	address character varying (255)	city character varying (255)	postalcode character varying (255)	country character varying
1	5	Udon	New Jersey	New Jersey	12356	[null]
2	7	Udon	New Jersey	New Jersey	12356	[null]
3	9	Tony	Rio de Janeiro	[null]	12356	[null]
4	10	Bogey	New York	[null]	12356	[null]
5	11	Udon	New Jersey	[null]	12356	[null]

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

```
11 select*from lesson9;
12
13 insert into lesson9(CustomerName, Address) values('Udon', 'New Jersey');
14 insert into lesson9(CustomerName, Address) values('Tony', 'Rio de Janeiro');
15 insert into lesson9(CustomerName, Address) values('Bogey', 'New York');
16
17 update lesson9 set postalcode = '12356';
18
19 delete from lesson9 where customername = 'Udon';
20
```

Explain Data Output Messages Notifications

	customerid [PK] integer	customername character varying (255)	address character varying (255)	city character varying (255)	postalcode character varying (255)	country character varying (
1	9	Tony	Rio de Janeiro	[null]	12356	[null]
2	10	Bogey	New York	[null]	12356	[null]