

Date: 06-02-19(3rd lab)

Q1: Create a Table, Update , Delete value from Table...

Code:

```
create database Lab
```

```
create table customer(  
cID int identity(1,1) primary key,  
cNum int not null unique check (cNum>0),  
fName nvarchar(50) not null,  
lName nvarchar(50) not null,  
acode int not null,  
adrs nvarchar(200) Default 'Dhaka'  
)
```

```
Insert Into customer (cNum,fName,lName,acode)  
values (1,'ab','cd',1207)
```

```
Insert Into customer (cNum,fName,lName,acode)  
values (2,'cd','ef',1207)
```

```
Insert Into customer (cNum,fName,lName,acode)  
values (3,'dj','sd',1211), (4,'s','fs',1209), (5,'cad','eff',1178)
```

```
Select *from customer
```

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery3.sql - (Administrator (53))\*' and 'SQLQuery1.sql - not connected\*'. The active tab displays the following SQL code:

```
create database Lab  
  
create table customer(  
cID int identity(1,1) primary key,  
cNum int not null unique check (cNum>0),  
fName nvarchar(50) not null,  
lName nvarchar(50) not null,  
acode int not null,  
adrs nvarchar(200) Default 'Dhaka'  
)  
  
Insert Into customer (cNum,fName,lName,acode)  
values (1,'ab','cd',1207)  
  
Insert Into customer (cNum,fName,lName,acode)  
values (2,'cd','ef',1207)
```

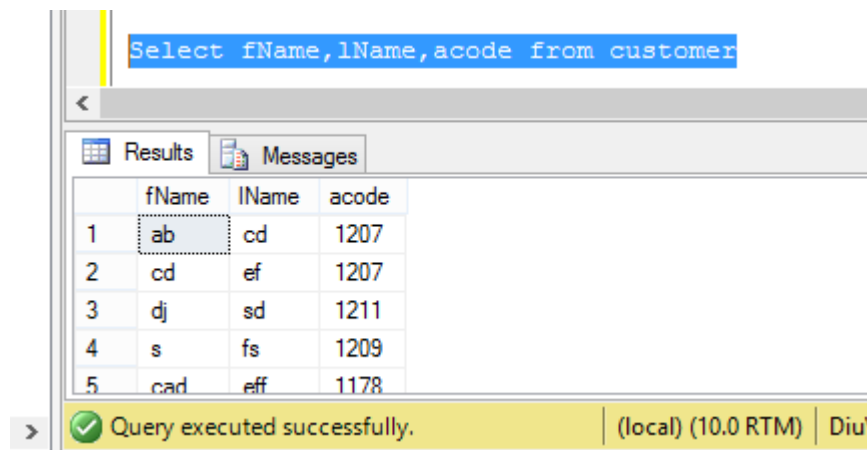
Below the query window, the 'Results' tab is active, displaying a table with 5 rows and 7 columns: cID, cNum, fName, lName, acode, and adrs. The data is as follows:

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka
3	3	3	dj	sd	1211	Dhaka
4	4	4	s	fs	1209	Dhaka
5	5	5	cad	eff	1178	Dhaka

At the bottom of the window, a status bar indicates: 'Query executed successfully. (local) (10.0 RTM) Diu\Administrator (53) Lab 00:00:00 5 rows'.

Q2: individual table column Show:

```
Select fName,lName,acode from customer
```

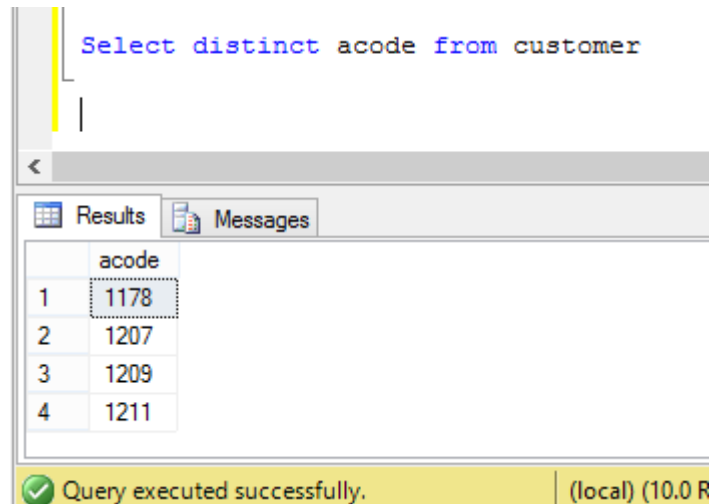


The screenshot shows a SQL query window with the text "Select fName,lName,acode from customer" highlighted. Below the query window, the "Results" tab is active, displaying a table with 5 rows and 3 columns: fName, lName, and acode. The data is as follows:

	fName	lName	acode
1	ab	cd	1207
2	cd	ef	1207
3	dj	sd	1211
4	s	fs	1209
5	cad	eff	1178

At the bottom, a status bar indicates "Query executed successfully." and "(local) (10.0 RTM) | Diu".

Q3 : Area code unique show: 1270 two times exists but show 1 time.

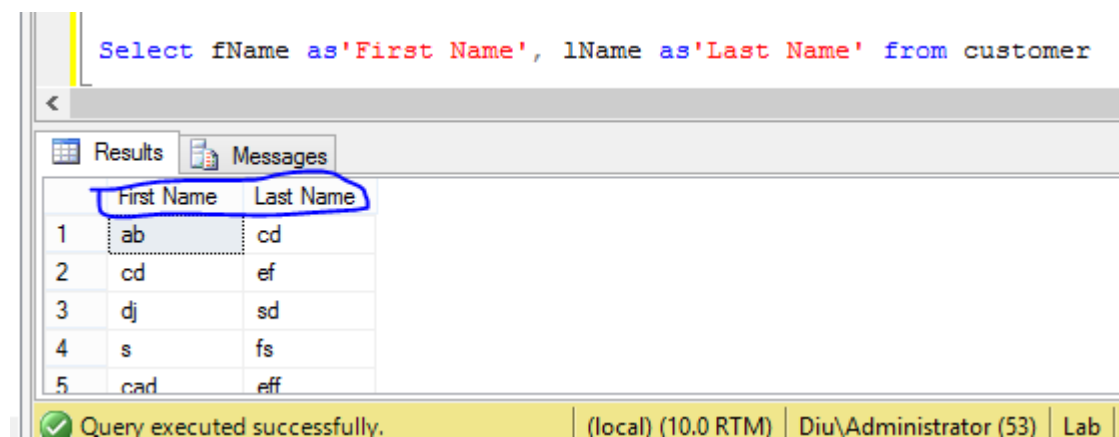


The screenshot shows a SQL query window with the text "Select distinct acode from customer". Below the query window, the "Results" tab is active, displaying a table with 4 rows and 1 column: acode. The data is as follows:

	acode
1	1178
2	1207
3	1209
4	1211

At the bottom, a status bar indicates "Query executed successfully." and "(local) (10.0 R".

Q4 : No change, but show didfferent name:



The screenshot shows a SQL query window with the text "Select fName as 'First Name', lName as 'Last Name' from customer". Below the query window, the "Results" tab is active, displaying a table with 5 rows and 2 columns: First Name and Last Name. The data is as follows:

	First Name	Last Name
1	ab	cd
2	cd	ef
3	dj	sd
4	s	fs
5	cad	eff

At the bottom, a status bar indicates "Query executed successfully." and "(local) (10.0 RTM) | Diu\Administrator (53) | Lab".

Q5 : First name and last Name show one Customer Name

```
SELECT fName+' '+ lName as 'Customer Name' from customer
```

	Customer Name
1	ab cd
2	cd ef
3	dj sd
4	s fs
5	cad eff

Query executed successfully. (local) (10.0 RTM) Diu\Administrator (53) Lab 00

Q6 : from customer code where code is 1207

```
SELECT *from customer where acode=1207
```

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka

Query executed successfully. (local) (10.0 RTM) Diu\Adr

```
SELECT *from customer where fName='ab'
```

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka

```
SELECT *from customer where cNum>3
```

	cID	cNum	fName	lName	acode	adrs
1	4	4	s	fs	1209	Dhaka
2	5	5	cad	eff	1178	Dhaka

Q7 : How to Delete Row:

The screenshot shows a SQL query window with the following text:

```
Delete from customer where cNum=3
```

Below the query window, the 'Results' tab is active, displaying a table with the following data:

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka
3	4	4	s	fs	1209	Dhaka
4	5	5	cad	eff	1178	Dhaka

A blue circle is drawn around the value '3' in the query, and a blue arrow points to the row with cNum=4 in the results table.

At the bottom, a status bar indicates: Query executed successfully. (local) (10.0 RTM)

Q8 : How to Update value :

The screenshot shows a SQL query window with the following text:

```
Update customer set lName= 'kk' where cNum>3
```

Below the query window, the 'Results' tab is active, displaying a table with the following data:

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka
3	4	4	s	kk	1209	Dhaka
4	5	5	cad	kk	1178	Dhaka

A blue checkmark is drawn above the query, and a blue circle is drawn around the 'kk' values in the lName column for rows 3 and 4.

At the bottom, a status bar indicates: Query executed successfully. (local) (10.0 RTM) Diu\Adn

Q9 : Alphabetically order Ascending:

The screenshot shows a SQL query window with the following text:

```
Select *from customer order by lName
```

Below the query window, the 'Results' tab is active, displaying a table with the following data:

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka
3	4	4	s	kk	1209	Dhaka
4	5	5	cad	kk	1178	Dhaka

A blue circle is drawn around the 'lName' column, and a blue arrow points to the row with lName=cd.

At the bottom, a status bar indicates: Query executed successfully. (local) (10.0 R

Two column:

```
Select *from customer order by lName,acode
```

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka
3	5	5	cad	kk	1178	Dhaka
4	4	4	s	kk	1209	Dhaka

Query executed successfully. (local) (10.0 RTM)

Q10 : Alphabetically order descending:

```
Select *from customer order by lName
```

	cID	cNum	fName	lName	acode	adrs
1	4	4	s	kk	1209	Dhaka
2	5	5	cad	kk	1178	Dhaka
3	2	2	cd	ef	1207	Dhaka
4	1	1	ab	cd	1207	Dhaka

Query executed successfully. (local) (10.0 RTM)

Two column:

```
Select *from customer order by lName,acode desc
```

	cID	cNum	fName	lName	acode	adrs
1	1	1	ab	cd	1207	Dhaka
2	2	2	cd	ef	1207	Dhaka
3	4	4	s	kk	1209	Dhaka
4	5	5	cad	kk	1178	Dhaka

Query executed successfully. (local) (10.0 RTM) Diu\Ad

### Q11: Range Search:

```
Select *from customer where cNum>3 and cNum<5|
```

<

Results Messages

	cID	cNum	fName	lName	acode	adrs
1	4	4	s	kk	1209	Dhaka

Query executed successfully. (local) (10.0 RTM) Diu\Ad

## Total Code:

```
create database Lab
```

```
create table customer(  
  cID int identity(1,1) primary key,  
  cNum int not null unique check (cNum>0),  
  fName nvarchar(50) not null,  
  lName nvarchar(50) not null,  
  acode int not null,  
  adrs nvarchar(200) Default 'Dhaka'  
)
```

```
Insert Into customer (cNum, fName, lName, acode)  
values (1, 'ab', 'cd', 1207)
```

```
Insert Into customer (cNum, fName, lName, acode)  
values (2, 'cd', 'ef', 1207)
```

```
Insert Into customer (cNum, fName, lName, acode)  
values (3, 'dj', 'sd', 1211), (4, 's', 'fs', 1209), (5, 'cad', 'eff', 1178)
```

```
Select *from customer
```

```
Select fName, lName, acode from customer
```

```
Select distinct acode from customer
```

```
Select fName as 'First Name', lName as 'Last Name' from customer
```

```
Select fName+' '+ lName as 'Customer Name' from customer
```

```
Select *from customer where acode=1207
```

```
Select *from customer where fName='ab'
```

```
Select *from customer where cNum>3
```

```
Select *from customer where cNum<=3
```

```
Delete from customer where cNum=3
```

```
Update customer set lName= 'kk' where cNum>3
```

```
Select *from customer order by lName
```

```
Select *from customer order by lName desc
```

```
Select *from customer order by lName, acode
```

```
Select *from customer order by lName, acode desc
```

```
Select *from customer where cNum>3 and cNum<5
```