

EXPERIMENT-1.3

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Branch :BE CSE

Section/Group: 21AML-9/A

Semester: 3

Subject Name: DBMS

Subject Code: 21CSH-243

1.Aim/Overview of the practical:

To manipulate operations on the table.

2. Task to be done:

To implement the following SQL commands:

- INSERT INTO: Specify both the column names and the values to be inserted.
- SELECT Statement: The SELECT statement is used to select data from a database.
- SELECT Column :The following SQL statement selects the columns from the table.
- SELECT DISTINCT :The SELECT DISTINCT statement is used to return only distinct (different) values.
- The SQL UPDATE Statement
- The UPDATE statement is used to modify the existing records in a table.
- DELETE: The DELETE statement is used to delete existing records in a table.
- Delete All Records: It is possible to delete all rows in a table without deleting the table.

3. SQL statements and Output

```
CREATE TABLE Customer (
  CustomerID int, CustomerName char (100), ContactName char (100), Address
  varchar (100) , City char (100),
  PostalCode int, Country char (100));
INSERT INTO Customer VALUES (89,"White Clover Markets"," Karl Jablonski",
  " 305 - 14th Ave. S. Suite 3B","Seattle",98128,"USA");
INSERT INTO Customer VALUES (90,"Wilman Kala"," Matti Karttunen",
  " Keskuskatu 45","Helsinki",21240,"Finland");
INSERT INTO Customer VALUES (91,"Wolski","Zbyszek",
  "ul. Filtrowa 68","Walla",01012,"Poland");
Select * from Customer;
```

! CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover M...	Karl Jablonski	305 - 14th Ave. S....	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland

```
INSERT INTO Customer (CustomerName, ContactName, Address, City,
PostalCode, Country)
VALUES ('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway');
SELECT * from Customer;
```

! CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover M...	Karl Jablonski	305 - 14th Ave. S....	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
NULL	Cardinal	Tom B. Erichsen	Skagen 21	Stava...	4006	Norway

SELECT CustomerName, City FROM Customer;

! CustomerName	City
White Clover Markets	Seattle
Wilman Kala	Helsinki
Wolski	Walla

SELECT * FROM Customer WHERE CustomerID=89;

! CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover M...	Karl Jablonski	305 - 14th Ave. S....	Seattle	98128	USA

```
UPDATE Customer SET ContactName = 'Alfred Schmidt', City= 'Frankfurt'
WHERE CustomerID = 89;
SELECT * FROM Customer;
```

! CustomerID	CustomerName	ContactName	Address	City	PostalCode
89	White Clover Mar...	Alfred Schmidt	305 - 14th Ave. S. ...	Frankfurt	98128
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012
NULL	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006

```
SELECT * FROM Customer
WHERE Country='Norway' AND (City='Walla' OR City='Stavanger');
```

! CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
NULL	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

```
DELETE FROM Customer WHERE country='Poland';
SELECT* from Customer;
```

! CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Ma...	Alfred Schmidt	305 - 14th ...	Frankfurt	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskat...	Helsinki	21240	Finland
NULL	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

Learning outcomes (What I have learnt):

- I have learnt about Database Management System.
- I have learnt about DBMS, RDBMS and SQL commands.
- I have learnt to manipulate operations on the table.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	VIVA		10
2.	PERFORMANCE		12
3.	WORKSHEET		08