TUTORIAL 2 (DBMS)

U20CS110
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Consider the following two tables for reference to practice the SQL queries.
Table – CustomerDetails
Write SQL Queries for the following:

CID	C_Name	ContactName	Address	City	PostCode	Country
1	Alis Anders	Maria Anders	Obere Str. 57	Berlin	12209	Germany
2	Ankit varma	Ankit varma	Avda. de la Constitucion 2222	Mexico D.F.	05021	Mexico
3	Antonio Moreno	Antonio Moreno	Mataderos 2312	Mexico D.F.	05023	Mexico
4	Aatif Sheikh	Aandre Istebal	120 Hanover Sq.	London	WA1 1DP	UK
5	Bali Shah	Christina Berglund	Berguvsvagen 8	Lulea	S-958 22	Sweden
6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany
7	Blondel pere et fils	Frederique Citeaux	24, place Kleber	Strasbourg	67000	France
8	Bolido Comidas preparadas	Martín Sommer	C/ Araquil, 67	Madrid	28023	Spain
9	Bon app	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France
10	Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blvd.	Tsawassen	T2F 8M4	Canada

1. Create the table CustomerDetails (as shown above).

```
->CREATE TABLE CustomerDetails (
      CID INT,
      C_Name VARCHAR(30),
      ContactName VARCHAR(30),
      Address VARCHAR(30), City
      VARCHAR(15), PostCode
      VARCHAR(10), Country
      VARCHAR(10)
);
```

2. Insert the values in the tables.

```
->INSERT INTO CustomerDetails VALUES(1,'Alis
Anders','Maria Anders', 'Obere Str. 57','Berlin', '12209'
,'Germany');
INSERT INTO CustomerDetails VALUES(2, 'Ankit varma'
,'Ankit varma' ,'Avda. de la Constitucion 2222' , 'Mexico
D.F.' , '05021' , 'Mexico');
INSERT INTO CustomerDetails VALUES(3, 'Antonio
Moreno', 'Antonio Moreno', 'Mataderos 2312', 'Mexico
D.F.', '05023', 'Mexico');
INSERT INTO CustomerDetails VALUES(4, 'Aatif
Sheikh', 'Aandre Istebal', '120 Hanover  Sq.'
,'London', 'WA1 1DP', 'UK');
INSERT INTO CustomerDetails VALUES(5, 'Bali Shah',
'Christina Berglund', 'Berguvsvagen 8' ,
'Lulea' ,'S-958 22', 'Sweden');
INSERT INTO CustomerDetails VALUES(6, 'Blauer See
Delikatessen', 'Hanna Moos', 'Forsterstr. 57', 'Mannheim',
                    '68306', 'Germany');
INSERT INTO CustomerDetails VALUES(7, 'Blondel pere
et fils', 'Frederique Citeaux', '24, place Kleber',
'Strasbourg' ,'67000' ,'France'); INSERT INTO
CustomerDetails VALUES(8, 'Bolido
Comidas preparadas', 'Martín Sommer', 'C/ Araquil, 67'
,'Madrid' ,'28023', 'Spain');
INSERT INTO CustomerDetails VALUES(9, 'Bon app',
'Laurence Lebihans', '12, rue des Bouchers', 'Marseille',
'13008', 'France');
INSERT INTO CustomerDetails VALUES(10, 'Bottom-
Dollar Marketse', 'Elizabeth Lincoln', '23 Tsawassen
Blvd.' ,'Tsawassen' ,'T2F
8M4' ,'Canada');
SELECT * FROM CustomerDetails;
```

3. Write an SQL query to fetch CID and Address with a CustomerName that does NOT start with “B".

```
->SELECT CID,Address FROM CustomerDetails WHERE C_Name NOT LIKE 'B%';
```

4. Write an SQL query to fetch the Id and Name of customers’ city which starts with ‘Mar’.

```
->SELECT CID,C_Name FROM CustomerDetails WHERE City LIKE 'MAR%';
```

5. Write an SQL query to fetch all the ContactName which is same as C_Name.

```
->SELECT ContactNAME FROM CustomerDetails WHERE ContactName = C_NAME;
```

6. List C_name ends with ’S’.

```
->SELECT C_Name FROM CustomerDetails WHERE C_Name LIKE '%S';
```

7. Write an SQL query to find the CId and C_Name of the customers with a City containing the pattern “XI".

```
->SELECT CID,C_Name FROM CustomerDetails WHERE City LIKE '%XI%';
```

8. Write an SQL query to fetch all customers with a City starting with "B" or "S", or "L".

```
->SELECT * FROM CustomerDetails WHERE City LIKE '[BSL]%';
```

9. Write an SQL query to fetch city and postalcode of customer having address ends with digits.

```
->SELECT City,PostCode FROM CustomerDetails WHERE Address LIKE '%[0-9]';
```

10. Write an SQL query to find the country of customers with a C_Name that starts with "A" and are at least 3 characters in length.

```
->SELECT Country FROM CustomerDetails WHERE C_Name LIKE 'A__%';
```

11. Write an SQL query to fetch CID and Address with a PostCode having 0 digit.

```
->SELECT CID,Address FROM CustomerDetails WHERE PostCode LIKE '%0%';
```

12. Write an SQL query to list all the cities of country name having length 2.

```
->SELECT City,Country FROM CustomerDetails WHERE Country LIKE "__";
```

13. Write an SQL query to list the length of all C_name.

```
->SELECT LENGTH(C_Name) AS "LENGTH OF CUSTOMER NAMES" FROM CustomerDetails;
```

14. Write an SQL query to display the C_name country wise in ascending order country and c_name.

```
->SELECT C_Name,Country FROM CustomerDetails ORDER BY Country,C_Name ;
```

15. Write an SQL query to update all the character type data with UPPERCASE.

```
->SELECT UPPER(C_Name) AS "CUSTOMER" FROM CustomerDetails;
SELECT UPPER(ContactName) AS "CONTACT NAMES" FROM CustomerDetails;
SELECT UPPER(Address) AS "ADDRESS" FROM CustomerDetails;
SELECT UPPER(City) AS "CITY" FROM CustomerDetails;
SELECT UPPER(Country) AS "COUNTRY" FROM CustomerDetails;
```