

Hands on

SQL Server

Queries :

```
CREATE DATABASE KANINIBATCH2;
```

```
USE KANINIBATCH2;
```

```
CREATE TABLE EMPLOYEE(Empid int not null, Empname varchar(30))
```

```
INSERT INTO EMPLOYEE VALUES(11,'VIJIT');
```

```
INSERT INTO EMPLOYEE VALUES(12,'MIKE');
```

```
SELECT * FROM EMPLOYEE;
```

```
ALTER TABLE EMPLOYEE ADD DEPT VARCHAR(10), LOCATION VARCHAR(10);
```

```
INSERT INTO EMPLOYEE VALUES(13,'VIJIT','IT','BLR');
```

```
INSERT INTO EMPLOYEE VALUES(13,'MIKE','IT','BLR');
```

```
INSERT INTO EMPLOYEE VALUES(13,'NIPUN','IT','BLR');
```

```
UPDATE EMPLOYEE SET Empid = 14 WHERE Empname='MIKE';
```

```
UPDATE EMPLOYEE SET Empid = 15 WHERE Empname='NIPUN';
```

```
DELETE FROM EMPLOYEE WHERE Empid=14;
```

```
ALTER TABLE EMPLOYEE ADD SALARY DECIMAL(9,2)
```

```
UPDATE EMPLOYEE SET SALARY = 140000 WHERE Empname='VIJIT';
```

```
SELECT * FROM EMPLOYEE WHERE LOCATION='BLR' AND SALARY>70000
```

```
SELECT * FROM EMPLOYEE WHERE Empname LIKE '%IT'
```

```
SELECT * FROM EMPLOYEE WHERE Empname LIKE '%I_'
```

```
SELECT * FROM EMPLOYEE WHERE Empname LIKE '%I%'
```

```
SELECT * FROM EMPLOYEE WHERE Empname LIKE '%^[T]'
```

Queries :

```
create table city(id int,name varchar(17),countrycode varchar(3),district  
varchar(20),population int);
```

```
INSERT INTO city VALUES (1, 'New York', 'USA', 'New York', 8500000);
```

```
INSERT INTO city VALUES (2, 'Los Angeles', 'USA', 'California', 4000000);
```

```

INSERT INTO city VALUES (3, 'Chicago', 'USA', 'Illinois', 2700000);
INSERT INTO city VALUES (4, 'Houston', 'USA', 'Texas', 2300000);
INSERT INTO city VALUES (5, 'Mumbai', 'IND', 'Maharashtra', 20000000);
INSERT INTO city VALUES (6, 'Delhi', 'IND', 'Delhi', 18000000);
INSERT INTO city VALUES (7, 'Bengaluru', 'IND', 'Karnataka', 12000000);
INSERT INTO city VALUES (8, 'Kolkata', 'IND', 'West Bengal', 15000000);
INSERT INTO city VALUES (9, 'Phoenix', 'USA', 'Arizona', 1600000);
INSERT INTO city VALUES (10, 'Chennai', 'IND', 'Tamil Nadu', 10000000);

select * from city where countrycode='USA' and population>1000000;

```

87

88 `select * from city where countrycode='USA' and population>1000000;`

100 % 3 0

Results Messages

	id	name	countrycode	district	population
1	1	New York	USA	New York	8500000
2	2	Los Angeles	USA	California	4000000
3	3	Chicago	USA	Illinois	2700000
4	4	Houston	USA	Texas	2300000
5	9	Phoenix	USA	Arizona	1600000

87

88 `select * from city where countrycode='USA' and population>1000000;`

89 `select * from city where countrycode='USA' and population>1200000;`

90

100 % 3 0

Results Messages

	id	name	countrycode	district	population
1	1	New York	USA	New York	8500000
2	2	Los Angeles	USA	California	4000000
3	3	Chicago	USA	Illinois	2700000
4	4	Houston	USA	Texas	2300000
5	9	Phoenix	USA	Arizona	1600000

```
90 | select * from city;
```

```
91 |
```

100 %

3

0

↑

↓

Results Messages

	id	name	countrycode	district	population
2	2	Los Angeles	USA	California	4000000
3	3	Chicago	USA	Illinois	2700000
4	4	Houston	USA	Texas	2300000
5	5	Mumbai	IND	Maharashtra	20000000
6	6	Delhi	IND	Delhi	18000000
7	7	Bengaluru	IND	Karnataka	12000000
8	8	Kolkata	IND	West Bengal	15000000
9	9	Phoenix	USA	Arizona	1600000
10	10	Chennai	IND	Tamil Nadu	10000000

```
91 | select name from city where id=10;
```

100 %

4

0

↑

↓

Results Messages

	name
1	Chennai

```
106 | select city, state from station;
```

100 % 3 0

Results Messages

	city	state
1	New York City	NY
2	Los Angeles	CA
3	Chicago	IL
4	Houston	TX
5	Miami	FL
6	Seattle	WA
7	Denver	CO
8	Boston	MA
9	Atlanta	GA
10	San Francisco	CA

Query executed successfully. VIJIT_SHETTY (16.0 RT)

```
106 | select city, state from station;
107 | SELECT TOP 1 city, LEN(city) AS name_length
108 | FROM station
109 | ORDER BY LEN(city) ASC, city ASC;
110 |
111 | SELECT TOP 1 city, LEN(city) AS name_length
112 | FROM station
113 | ORDER BY LEN(city) DESC, city ASC;
```

100 % 7 0

Results Messages

	city	name_length
1	Miami	5

	city	name_length
1	New York City	13