**SQL Practice:**

Write SQL Queries for the following problem statements on covid dataset

1. Retrieve state wise count of confirmed cases, recovered cases and deaths
2. Get the names of top five states in terms of deaths
3. Which states had highest and lowest % of recovery
4. Which states had highest and lowest % of deaths
5. Total number of confirmed cases in the month of July
6. Number of confirmed cases in the month of August in Tamilnadu
7. Month wise deaths, recovery, and confirmed cases
8. A day on which maximum deaths had happened
9. State wise Recovery rate
10. Days on which maximum confirmed cases were detected in an individual state

**Additional practice problems for SQL:**

CREATE TABLE fruit\_imports

(

id number

name varchar(20),

season varchar(10),

state varchar(20),

supply number

cost\_per\_unit number

);

insert into fruit\_imports values(1, 'Apple', 'All Year', 'Kansas', 32900, 0.22);

insert into fruit\_imports values(2, 'Avocado', 'All Year', 'Nebraska', 27000, 0.15);

insert into fruit\_imports values(3, 'Coconut', 'All Year', 'California', 15200, 0.75);

insert into fruit\_imports values(4, 'Orange', 'Winter', 'California', 17000, 0.22);

insert into fruit\_imports values(5, 'Pear', 'Winter', 'Iowa', 37250, 0.17);

insert into fruit\_imports values(6, 'Lime', 'Spring', 'Indiana', 40400, 0.15);

insert into fruit\_imports values(7, 'Mango', 'Spring', 'Texas', 13650, 0.60);

insert into fruit\_imports values(8, 'Orange', 'Spring', 'Iowa', 18000, 0.26);

insert into fruit\_imports values(9, 'Apricot', 'Spring', 'Indiana', 55000, 0.20);

insert into fruit\_imports values(10, 'Cherry', 'Summer', 'Texas', 62150, 0.02);

insert into fruit\_imports values(11, 'Cantaloupe', 'Summer', 'Texas', 8000, 0.49);

insert into fruit\_imports values(12, 'Apricot', 'Summer', 'Kansas', 14500, 0.20);

insert into fruit\_imports values(13, 'Mango', 'Summer', 'Texas', 17000, 0.68);

insert into fruit\_imports values(14, 'Pear', 'Fall', 'Nebraska', 30500, 0.12);

insert into fruit\_imports values(15, 'Grape', 'Fall', 'Illinois', 72500, 0.35);

1. Write a query that displays only the state with the largest amount of fruit supply.

2. Write a query that returns the most expensive cost\_per\_unit of every season. The query should display 2 columns, the season and the cost\_per\_unit

3. Write a query that returns the state that has more than 1 import of the same fruit.

4. Write a query that returns the seasons that produce either 3 fruits or 4 fruits.

5. Write a query that takes into consideration the supply and cost\_per\_unit columns for determining the total cost and returns the most expensive state with the total cost.

6. Execute the below SQL script and count the total number of records in the table

CREATE table fruits (fruit\_name varchar(10));

INSERT INTO fruits VALUES ('Orange');

INSERT INTO fruits VALUES ('Apple');

INSERT INTO fruits VALUES (NULL);

INSERT INTO fruits VALUES (NULL);