

## **SQL DATA EXPLORATION**

### **DATASET:**

The Data Set used in this project is downloaded from <https://ourworldindata.org/covid-deaths>.

### **WHATS DONE IN THE DATA:**

The Dataset downloaded into two where the covid cases and deaths related into a part and Covid Vaccination Related data into the second part.

### **WHATS DONE:**

The data is imported into MS SQL Server and various SQL Commands like SELECT, OVER (), ROW\_NUMBER (), JOINS (Inner, Left, Right, Outer Joins), Functions (AVG, SUM, COUNT, MIN, MAX), WHERE (<,>, <>, AND, OR, LIKE, IN, EXISTS), Aliasing, GROUP BY, ORDER BY etc, where used in the data and several questions which are raised has been answered.

### **QUESTIONS ANSWERED:**

#### **COVID DEATHS:**

1. Number of Continents and Total Number of Locations in the data
2. Looking at the Total Cases vs Total Deaths
3. First Case Reported in each location
4. Total Cases vs Populations in each location
5. Highest Infection Rate Percentage in a location
6. Continent wise death rate and Overall COVID Deaths in World
7. First Case Reported in each location
8. Date When First Case Reported in each continent
9. First Death Reported in world due to COVID
10. First Death Reported in each location
11. First Death Reported in each continent
12. Last Death Reported in each continent
13. Last Death Reported in each location
14. Last Death Reported in world due to COVID
15. Number of new cases in each location from day-1 of COVID
16. Number of new cases reported in each continent from day-1
17. Total Cases and Total Deaths reported till date

## **COVID VACCINATIONS:**

1. Total Population VS Number of People fully vaccinated
2. Vaccination Amount by Location
3. Vaccinated percentage of people in all location
4. Total Vaccination in each location
5. First Vaccine Injected