

COVID-19 ANALYSYS SQL QUERIES

1. Global Numbers

```
SELECT SUM(new_cases) AS [Total Cases], SUM(CAST(new_deaths AS int )) AS [Total Deaths], CAST(SUM(new_deaths)/SUM(new_cases)*100 AS decimal(10,4)) AS [Death Percent]
FROM CovidDeaths
WHERE continent IS NOT NULL
```

	Total Cases	Total Deaths	Death Percent
1	775897706	7059945	0.9099

2. Likelihood of getting Covid-19

```
SELECT TOP 10 location, MAX(total_cases) AS [Total Cases], MAX(population) AS [Population], CAST(MAX((total_cases/population)*100) AS decimal(10,2)) AS [Affected Percentage]
FROM CovidDeaths
GROUP BY location
ORDER BY [Affected Percentage] DESC
```

	location	Total Cases	Population	Affected Percentage
1	Cyprus	696410	896007	77.72
2	Brunei	347435	449002	77.38
3	San Marino	25292	33690	75.07
4	Austria	6082429	8939617	68.04
5	South Korea	34571873	51815808	66.72
6	Faroe Islands	34658	53117	65.25
7	Slovenia	1356433	2119843	63.99
8	Gibraltar	20550	32677	62.89
9	Martinique	230354	367512	62.68
10	Luxembourg	393352	647601	60.74

3. Likelihood of dying by Covid-19

```
WITH CovidSummary AS (  
SELECT location, MAX(total_cases) AS max_cases, MAX(total_deaths) AS  
max_deaths  
FROM CovidDeaths  
GROUP BY location  
)  
SELECT TOP 10 location, max_cases AS [Total Cases], max_deaths AS [Total  
Deaths], CAST((max_deaths/max_cases)* 100 AS decimal(10,2)) AS [Death  
Percent]  
FROM CovidSummary  
ORDER BY [Death Percent] DESC;
```

	location	Total Cases	Total Deaths	Death Percent
1	Yemen	11945	2159	18.07
2	Sudan	63993	5046	7.89
3	Syria	57423	3163	5.51
4	Somalia	27334	1361	4.98
5	Peru	4526977	220975	4.88
6	Egypt	516023	24830	4.81
7	Mexico	7618633	334537	4.39
8	Bosnia and Herzegovina	403666	16392	4.06
9	Liberia	8090	294	3.63
10	Afghanistan	235214	7998	3.40

4. Death count per Population

```
SELECT TOP 10 location, MAX(population) AS [Population], MAX(total_deaths)  
AS [Total Death Count], CAST(MAX((total_deaths/population)*100) AS  
decimal(10,4)) AS [Death Percentage]  
FROM CovidDeaths  
WHERE continent IS NOT NULL  
GROUP BY location  
ORDER BY [Death Percentage] DESC
```

	location	Population	Total Death Count	Death Percentage
1	Peru	34049588	220975	0.6490
2	Bulgaria	6781955	38700	0.5706
3	Bosnia and Herzegovina	3233530	16392	0.5069
4	Hungary	9967304	49053	0.4921
5	North Macedonia	2093606	9978	0.4766
6	Slovenia	2119843	10078	0.4754
7	Croatia	4030361	18752	0.4653
8	Georgia	3744385	17150	0.4580
9	Montenegro	627082	2654	0.4232
10	Czechia	10493990	43508	0.4146

5. Highest Death Count by Country

```
SELECT TOP 10 location, MAX(total_deaths) AS [Death Count]
FROM CovidDeaths
WHERE continent IS NOT NULL
GROUP BY location
ORDER BY [Death Count] DESC
```

Results Messages		
	location	Death Count
1	United States	1192328
2	Brazil	702116
3	India	533623
4	Russia	403178
5	Mexico	334537
6	United Kingdom	232112
7	Peru	220975
8	Italy	197301
9	Germany	174979
10	France	168091