--The global data on confirmed COVID-19 deaths.

--Data Source (https://ourworldindata.org/covid-deaths)

--Below, all queries have been executed successfully in Bigquery.

SELECT \*

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

ORDER BY 3, 4

SELECT \*

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Vaccination\_Details`

ORDER BY 3, 4

--Selecting data to start with

SELECT location, date, total\_cases, new\_cases, total\_deaths, population

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

ORDER BY 1, 2

--Calculating Total Cases Vs Total Death, as well as the death percentage if you get covid in your country.

SELECT location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases)\* 100 AS Percentage\_Of\_Death

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

AND location = 'India'

ORDER BY 1, 2

--Calculating Total Cases vs Population

--Below syntax shows what percentage of population in a country is infected with COVID

SELECT location, date, population,total\_cases, (total\_cases/population)\* 100 AS Percentage\_Population\_Infected

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

ORDER BY 1, 2

--Finding countries with Highest Infection Rate compared to it's Population

SELECT location, population, MAX(total\_cases) AS Highest\_Infection\_Count, MAX((total\_cases/population))\* 100 AS Percentage\_Population\_Infected

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

GROUP BY location, population

ORDER BY Percentage\_Population\_Infected DESC

--Finding countries with Highest Death Count per Population

SELECT location, MAX(total\_deaths) AS Count\_TotalDeath

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

GROUP BY location

ORDER BY Count\_TotalDeath DESC

--Breaking things down by CONTINENT

--Finding contintents with the highest death count per population

SELECT continent, MAX(total\_deaths) AS Count\_TotalDeath

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

GROUP BY continent

ORDER BY Count\_TotalDeath DESC

--Total Global Covid Death Number

SELECT SUM(new\_cases) AS Total\_Cases, SUM(new\_deaths) AS Total\_Deaths, SUM(new\_deaths)/SUM(new\_cases)\*100 AS Total\_GLobal\_Death

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data`

WHERE continent IS NOT NULL

--Looking at Total Population vs Vaccinations

--Also looking at the number of people vaccinated over a period of time

SELECT DEA.continent, DEA.location, DEA.date, DEA.population, VAC.new\_vaccinations, SUM(VAC.new\_vaccinations) OVER (PARTITION BY DEA.location ORDER BY DEA.location,DEA.date) AS Population\_Vaccinated

FROM `celtic-defender-370222.Covid\_Vaccination.Covid\_Death\_Data` AS DEA

JOIN `celtic-defender-370222.Covid\_Vaccination.Covid\_Vaccination\_Details` AS VAC

  ON DEA.location = VAC.location

  AND DEA.date = VAC.date

WHERE DEA.continent IS NOT NULL

ORDER BY 2, 3