Covid Death Query

```
SELECT *
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
ORDER BY 3, 4

Select the data we are going to use
SELECT location, date, total_cases, new_cases, total_deaths, population
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
ORDER BY 1, 2

--Looking at Total Cases Vs Total Deaths
SELECT location, date, total_cases, total_deaths, (total_deaths/total_cases) * 100 AS
DeathPercentage
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
ORDER BY 1, 2

-- Looking at Total Cases Vs Population
SELECT location, date, population, total_cases, (total_cases / population) * 100 AS
PercentPopulationInfected
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
ORDER BY 1, 2

Looking at Countries with the Highest Infection Rate Compared to Population
SELECT location, population, MAX(total_cases) AS HighestInfectionCount, MAX((total_cases /
population)) * 100 AS PercentPopulationInfected
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
GROUP BY location, population
ORDER BY PercentPopulationInfected desc

-- Showing Countries with the Highest Death Count
SELECT location, MAX(total_deaths) AS TotalDeathCount
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
WHERE continent is not null
GROUP BY location
ORDER BY TotalDeathCount desc

-- Showing Continents with the Highest Death Count
SELECT continent, MAX(total_deaths) AS TotalDeathCount
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
WHERE continent is not null
GROUP BY continent
ORDER BY TotalDeathCount desc
```

```
SELECT location, MAX(total_deaths) AS TotalDeathCount
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
WHERE continent is null
GROUP BY location
ORDER BY TotalDeathCount desc

-- Global Numbers
SELECT location, date, total_deaths, total_cases, (total_deaths / total_cases) * 100 AS
DeathPercentage
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
WHERE continent is not null
ORDER BY 1, 2

-- New cases and deaths
SELECT sum(new_cases) as TotalNewCases, sum(new_deaths) as TotalNewDeaths,
(sum(new_deaths) / sum(new_cases)) * 100 AS DeathPercent
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths`
WHERE continent is not null
order by 1, 2
```

Covid Vaccination Query

```
SELECT *
FROM `covid-data-exploration-357702.CovidDeaths.CovidVaccinations`
ORDER BY 3, 4

–Join two tables on date and location
SELECT *
FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths` AS Death
JOIN `covid-data-exploration-357702.CovidDeaths.CovidVaccinations` AS Vaccination
 ON Death.location = Vaccination.location
 AND Death.date = Vaccination.date

 -- Looking at Total Population Vs Vaccination

WITH PopVsVac AS
(
  SELECT Death.continent, Death.location, Death.date, Death.population,
Vaccination.new_vaccinations, SUM(Vaccination.new_vaccinations) OVER (PARTITION BY
Death.location ORDER BY Death.location, Death.date) AS SumNewVacc,
 FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths` AS Death
 JOIN `covid-data-exploration-357702.CovidDeaths.CovidVaccinations` AS Vaccination
  ON Death.location = Vaccination.location
  AND Death.date = Vaccination.date
```

```
WHERE Death.continent is not null
)
SELECT *, (SumNewVacc/population) * 100 AS VaccPerPop
FROM PopVsVac



CREATE VIEW CovidDeaths.PopVsVac AS
SELECT Death.continent, Death.location, Death.date, Death.population,
Vaccination.new_vaccinations, SUM(Vaccination.new_vaccinations) OVER (PARTITION BY
Death.location ORDER BY Death.location, Death.date) AS SumNewVacc,
 FROM `covid-data-exploration-357702.CovidDeaths.CovidDeaths` AS Death
 JOIN `covid-data-exploration-357702.CovidDeaths.CovidVaccinations` AS Vaccination
  ON Death.location = Vaccination.location
  AND Death.date = Vaccination.date
WHERE Death.continent is not null
```