Covid 19 Data Exploration

SELECT \*

FROM CovidDeaths

WHERE continent IS NOT NULL

ORDER BY 3, 4

--Select the data that we are going to be starting with

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

FROM CovidDeaths

WHERE continent IS NOT NULL

ORDER BY 1, 2

--Total Cases vs Total Deaths

--Shows likelihood of dying if you contract covid in your country

SELECT location, date, total\_cases, total\_deaths, (Total\_deaths/total\_cases)\*100 AS DeathPercentage

FROM coviddeaths

WHERE location='Poland'

AND continent IS NOT NULL

ORDER BY 1, 2;

--Total Cases vs Population

--Shows what percentage of population got Covid

SELECT location, date, total\_cases, population, (Total\_cases/population)\*100 AS cases\_percentage

FROM coviddeaths

WHERE location='Poland'

AND continent IS NOT NULL

ORDER BY 1, 2;

--Countries with Highest Infection Rate compared to Population

SELECT location, population, MAX(total\_cases) AS HighestInfectionCount, MAX((total\_cases/population))\*100 AS PercentPopulationInfected

FROM CovidDeaths

WHERE continent IS NOT NULL

GROUP BY location, population

ORDER BY PercentPopulationInfected DESC;

--Countries with Highest Death per Population

SELECT location, MAX(CAST(total\_deaths AS int)) AS TotalDeathCount

FROM CovidDeaths

WHERE continent IS NOT NULL

GROUP BY location

ORDER BY TotalDeathCount DESC;