SELECT \*

FROM portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

order by 3,4;

SELECT \*

FROM portfolioproject-343602.Covid.CovidVaccinations

order by 3,4;

-- Select Data that will be used

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

FROM portfolioproject-343602.Covid.CovidDeaths

Order by 1,2;

-- Looking at Total Cases vs Total Deaths

-- Shows the 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 portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

AND location like '%States%'

Order by 1,2;

-- Looking at Total Cases vs Population

-- Shows what percentage of population got covid

SELECT location, date, Population, total\_cases, (total\_cases/population)\*100 as PercentPopulationInfected

FROM portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

--Where location like '%States%'

Order by 1,2;

-- Looking at Countries with highest infection rate compared to population

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

FROM portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

--Where location like '%States%'

GROUP BY location, population

Order by PercentPopulationInfected desc;

-- Showing Countries with Highest Death Count per Population

SELECT location, MAX(total\_deaths) as TotalDeathCount

FROM portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

--Where location like '%States%'

GROUP BY location

Order by TotalDeathCount desc;

-- LETS BREAK THINGS DOWN BY CONTINENT

-- Showing Continents with highest death count

SELECT location, MAX(total\_deaths) as TotalDeathCount

FROM portfolioproject-343602.Covid.CovidDeaths

--Where location like '%States%'

Where continent is null

GROUP BY location

Order by TotalDeathCount desc;

-- GLOBAL NUMBERS

-- Deaths by date

SELECT date, SUM(new\_cases) as total\_cases,SUM(new\_deaths) as total\_deaths, SUM(new\_deaths)/SUM(new\_cases)\*100 as DeathPercentage

FROM portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

--AND location like '%States%'

Group By date

Order by 1,2;

--Total deaths

SELECT SUM(new\_cases) as total\_cases,SUM(new\_deaths) as total\_deaths, SUM(new\_deaths)/SUM(new\_cases)\*100 as DeathPercentage

FROM portfolioproject-343602.Covid.CovidDeaths

Where continent is not null

--AND location like '%States%'

--Group By date

Order by 1,2;

-- Looking at Total Population vs Vaccinations

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 RollingPeopleVaccinated

--, (RollingPeopleVaccinated/population)\*100

FROM portfolioproject-343602.Covid.CovidDeaths dea

JOIN portfolioproject-343602.Covid.CovidVaccinations vac

On dea.location = vac.location

and dea.date = vac.date

Where dea.continent is not null

Order by 2, 3;

-- USE CTE

With PopvsVac AS (

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 RollingPeopleVaccinated

--, (RollingPeopleVaccinated/Population)\*100

FROM portfolioproject-343602.Covid.CovidDeaths dea

JOIN portfolioproject-343602.Covid.CovidVaccinations vac

On dea.location = vac.location

and dea.date = vac.date

Where dea.continent is not null

--Order by 2, 3;

)

SELECT \*, (RollingPeopleVaccinated/Population)\*100

From PopvsVac;

-- TEMP TABLE

DROP Table if exists `portfolioproject-343602.Covid.PercentPopulationVaccinated`;

Create Table `portfolioproject-343602.Covid.PercentPopulationVaccinated`

(

Continent string (255),

Location string (255),

Date datetime,

Population numeric,

new\_vaccinations numeric,

RollingPeopleVaccinated numeric

);

Insert into `portfolioproject-343602.Covid.PercentPopulationVaccinated`

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 RollingPeopleVaccinated

--, (RollingPeopleVaccinated/Population)\*100

FROM portfolioproject-343602.Covid.CovidDeaths dea

JOIN portfolioproject-343602.Covid.CovidVaccinations vac

On dea.location = vac.location

and dea.date = vac.date

Where dea.continent is not null;

--Order by 2, 3;

SELECT \*, (RollingPeopleVaccinated/Population)\*100

From `portfolioproject-343602.Covid.PercentPopulationVaccinated`;

-- Creating View to store data for later visualizations

Create View `portfolioproject-343602.Covid.PercentPopulationVaccinatedview` AS

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 RollingPeopleVaccinated

--, (RollingPeopleVaccinated/Population)\*100

FROM portfolioproject-343602.Covid.CovidDeaths dea

JOIN portfolioproject-343602.Covid.CovidVaccinations vac

On dea.location = vac.location

and dea.date = vac.date

Where dea.continent is not null;

--Order by 2, 3;