use portfolio\_project;

select \* from coviddeaths order by 3, 4;

select \* from covidvaccination order by 3, 4;

-- we will select the data that we will use.....

select location, date, total\_cases, new\_cases, total\_deaths, population from portfolio\_project.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 death\_percentage from portfolio\_project.coviddeaths;

select location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases) \* 100 as death\_percentage from portfolio\_project.coviddeaths where location= 'china';

select location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases) \* 100 as death\_percentage from portfolio\_project.coviddeaths where location like '%states%';

-- total cases vs population...

-- shows what percentage of population get covid....

select location, date, total\_cases, population, (total\_deaths/population) \* 100 as death\_percentage from portfolio\_project.coviddeaths;

-- looking at countries with highest infection rate compared to population..

select location, population, max(total\_cases) as highestinfection, max((total\_deaths/population)) \* 100 as populationperinfection from portfolio\_project.coviddeaths where location = 'India' group by location, population;

select location, population, max(total\_cases) as highestinfection, max((total\_deaths/population)) \* 100 as populationperinfection from portfolio\_project.coviddeaths group by location, population order by populationperinfection;

-- showing countries with highest death count per population..

select location, MAX(total\_deaths) as totaldeathcount from portfolio\_project.coviddeaths group by location order by totaldeathcount desc;

-- Breaking data via continents

select continent, MAX(total\_deaths) as totaldeathcount from portfolio\_project.coviddeaths group by continent order by totaldeathcount desc;

-- global numbers and death percentage..

select date, sum(new\_cases) from portfolio\_project.coviddeaths group by date;

select date, sum(new\_cases) as totalcase, sum(new\_deaths) as totaldeaths, sum(new\_deaths/new\_cases) \* 100 as deathpercentage from portfolio\_project.coviddeaths group by date;

-- looking at total population vs vaccination...

select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations from portfolio\_project.coviddeaths dea join portfolio\_project.covidvaccination vac on dea.location= vac.location and dea.date = vac.date ;

select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations from portfolio\_project.coviddeaths dea join portfolio\_project.covidvaccination vac on dea.location= vac.location and dea.date = vac.date where dea.continent is not null order by 1, 2, 3 ;

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 from portfolio\_project.coviddeaths dea join portfolio\_project.covidvaccination vac on dea.location= vac.location and dea.date = vac.date where dea.continent is not null order by 1, 2, 3 ;

-- use cte

with popvsvac (continet, location, date, population, new\_vaccination, rollingpeoplevaccinated) 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 from portfolio\_project.coviddeaths dea join portfolio\_project.covidvaccination vac on dea.location= vac.location and dea.date = vac.date where dea.continent is not null order by 1, 2, 3 )

select \* from popvsvac;

with popvsvac (continet, location, date, population, new\_vaccination, rollingpeoplevaccinated) 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 from portfolio\_project.coviddeaths dea join portfolio\_project.covidvaccination vac on dea.location= vac.location and dea.date = vac.date where dea.continent is not null order by 1, 2, 3 )

select \*, (rollingpeoplevaccinated/population)\* 100 from popvsvac;

-- TEMP table

DROP Table if exists PercentPopulationVaccinated;

CREATE TEMPORARY TABLE PercentPopulationVaccinated

(

Continent varchar(255),

Location varchar(255),

Date datetime,

Population numeric,

New\_vaccinations numeric,

rollingpeoplevaccinated numeric

);

select dea.continent, dea.location, dea.date, dea.population, vac.new\_vaccinations from portfolio\_project.coviddeaths dea inner join portfolio\_project.covidvaccination vac on dea.location= vac.location and dea.date = vac.date where dea.continent = vac.continent;

-- Creating View to store data for later visualizations

Create View PercentPopulationVaccinated 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)

From portfolio\_project.coviddeaths dea

Join portfolio\_project.covidvaccination vac

On dea.location = vac.percentpopulationvaccinatedlocation

and dea.date = vac.date

where dea.continent is not null