--select \*

--from [dbo].[Vaccinations]

--order by 3,4

--Select \*

--from [dbo].[Coviddeaths]

--order by 3,4

Select location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases)\*100 as DeathPercentage

from Coviddeaths

where location like '%states%'

order by 1,2

looking at total cases and total deaths

shows the likeihood of dying if you contracted covid in your country

--Select location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases)\*100 as DeathPercentage

--from Coviddeaths

--where location like '%states%'

--order by 1,2

Select \*

from PortfolioProject..Coviddeaths

where continent is not null

order by 3,4

look at total cases vs the population

shows what % of poluation got covid

Select location, date, population, total\_cases, (total\_cases/population)\*100 as DeathPercentage

from PortfolioProject..Coviddeaths

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..Coviddeaths

group by location, population

order by PercentPopulationInfected desc

--showing how many peopoe died in the countries. highest death count per popluation.

--had to add the cast to the list and the int

Select location, max(cast(total\_deaths as int)) as Totaldeathcount

from PortfolioProject..Coviddeaths

where continent is not null

group by location

order by Totaldeathcount desc

--LETS BREAK THINKGS DOWN BY CONTINENT, baskically change location to contitent--

Select location, max(cast(total\_deaths as int)) as Totaldeathcount

from PortfolioProject..Coviddeaths

where continent is null

group by location

order by Totaldeathcount desc

or---

--- showing contintents with the highest death count per population

Select continent, max(cast(total\_deaths as int)) as Totaldeathcount

from PortfolioProject..Coviddeaths

where continent is not null

group by continent

order by Totaldeathcount desc

--global numbers--

Select date, sum(new\_cases) as total\_cases, sum(cast(new\_deaths as int)) as total\_deaths, sum(cast

(new\_deaths as int))/sum(new\_cases)\*100 as deathpercentage

from PortfolioProject..Coviddeaths

--where location like '%states%'

where continent is not null

group by date

order by 1,2

-- pertenage across the world--

Select sum(new\_cases) as total\_cases, sum(cast(new\_deaths as int)) as total\_deaths, sum(cast

(new\_deaths as int))/sum(new\_cases)\*100 as deathpercentage

from PortfolioProject..Coviddeaths

--where location like '%states%'

where continent is not null

--group by date

order by 1,2

-- now looking at the other table vaccinations

select \*

from PortfolioProject..Vaccinations

--joining the two tables together

select \*

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

--looking at total populatipon vs vaccinations

select dea.continent, dea.location, dea.date, dea.population, vac.New\_vaccinations

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

order by 2,3

--show case skills

select dea.continent, dea.location, dea.date, dea.population, vac.New\_vaccinations,

sum(cast(vac.new\_vaccinations as int)) over (partition by dea.location order by)

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

order by 2,3

-- or

select dea.continent, dea.location, dea.date, dea.population, vac.New\_vaccinations,

sum(cast(vac.new\_vaccinations as int)) over (partition by dea.location order by dea.location, dea.date) as RollingpeopleVaccinated

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

order by 2,3

--use a cte with population vs vaccines

with popvsvac (continuent, location, date, population, new\_vaccinations, rollingpeoplevaccinated)

as

(

select dea.continent, dea.location, dea.date, dea.population, vac.New\_vaccinations,

sum(cast(vac.new\_vaccinations as int)) over (partition by dea.location order by dea.location, dea.date) as RollingpeopleVaccinated

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

)

select \*, (rollingpeoplevaccinated/population)\*100

from Popvsvac

-- TEMP TABLE how to

create table #percentpopulationvaccinated

(

continent nvarchar(255),

Location nvarchar(255),

date datetime,

population numeric,

new\_vaccinations numeric,

rollingpeoplevaccinated numeric

)

INSERT into #percentpopulationvaccinated

select dea.continent, dea.location, dea.date, dea.population, vac.New\_vaccinations,

sum(cast(vac.new\_vaccinations as int)) over (partition by dea.location order by dea.location,

dea.date) as RollingpeopleVaccinated

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

select \*, (rollingpeoplevaccinated/population)\*100

from #percentpopulationvaccinated

--if you have multiple tables add drop table is exist #percentpopulationvaccinated

--creating a view to store data for later visuatizations--

create view percentpopulationvaccinated as

select dea.continent, dea.location, dea.date, dea.population, vac.New\_vaccinations,

sum(cast(vac.new\_vaccinations as int)) over (partition by dea.location order by dea.location,

dea.date) as rollingpoepolevaccinated

from PortfolioProject..Vaccinations vac

join portfolioproject..coviddeaths dea

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null