select \*

from PortfolioProject..CovidDeaths

order by 3,4

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

from PortfolioProject..CovidDeaths

--looking at total cases and total death

Select Location,date,total\_cases, new\_cases,total\_deaths,(total\_deaths/total\_cases)\*100 AS DeathPercentage

from PortfolioProject..CovidDeaths

where location like '%Pakistan%'

order by 1,2

--Looking at countries with highest Infection Rate comparedto population

Select Location,population,Max(total\_cases) as HighestInfectionCount,Max((total\_cases/population))\*100 AS PercentPopulationInfeced

from PortfolioProject..CovidDeaths

group by Location, population

order by PercentPopulationInfeced desc

--Showing Countries with Highest Death Count per Population

Select Location, Max(cast(Total\_deaths as int)) as TotalDeathCount

from PortfolioProject..CovidDeaths

Group by Location, Population

order by TotalDeathCount desc

--Lets Break by Continent

Select Location, Max(cast(Total\_deaths as int)) as TotalDeathCount

from PortfolioProject..CovidDeaths

where continent is null

Group by location

order by TotalDeathCount desc

--showing continent with the highest death count population

Select Location, Max(cast(Total\_deaths as int)) as TotalDeathCount

from PortfolioProject..CovidDeaths

where continent is null

Group by location

order by TotalDeathCount desc

--Global Numbers

Select date,total\_cases, new\_cases,total\_deaths,(total\_deaths/total\_cases)\*100 AS DeathPercentage

from PortfolioProject..CovidDeaths

--where location like '%Pakistan%'

WHERE continent is not null

--Showing countries with highest death Count per population

Select Location,Max(cast(total\_deaths as int)) as TotalDeathCount

from PortfolioProject..CovidDeaths

group by Location

order by TotalDeathCount desc

Global Number

Select Location,date,total\_cases, new\_cases,total\_deaths,(total\_deaths/total\_cases)\*100 AS DeathPercentage

from PortfolioProject..CovidDeaths

where location like '%Pakistan%'

order by 1,2

-- looking at total population vs Vaccination

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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

join PortfolioProject..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(Continent,location, Date, population,new\_vaccination, 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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

join PortfolioProject..CovidVaccinations vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

)

select \*

from PopvsVac

--temp Table

Drop table if exists #PercentagePopulationVaccinated

create table #PercentagePopulationVaccinated

(

Continent nvarchar(255),

Location nvarchar(255),

Date datetime,

Population numeric,

New\_vaccinations numeric,

RollingPeoplePopulation numeric

)

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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

join PortfolioProject..CovidVaccinations vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

-- looking at total population vs Vaccination

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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

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--Use CTE

with PopvsVac(Continent,location, Date, population,new\_vaccination, 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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

join PortfolioProject..CovidVaccinations vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

)

select \*

from PopvsVac

--temp Table

Drop table if exists #PercentagePopulationVaccinated

create table #PercentagePopulationVaccinated

(

Continent nvarchar(255),

Location nvarchar(255),

Date datetime,

Population numeric,

New\_vaccinations numeric,

RollingPeoplePopulation numeric

)

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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

join PortfolioProject..CovidVaccinations vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

Create View PercentePopulationVaccinated 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 RollingPeoplePopulation

from PortfolioProject..CovidDeaths dea

join PortfolioProject..CovidVaccinations vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

--order by 2,3

Select \*

from Percentpopulationvaccinated