SELECT \* FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

ORDER BY 3,4

SELECT \* FROM `portfolio-342601.Coronavirus\_portfolio.CovidVaccinations`

ORDER BY 3,4

#select data that we are going to using#

SELECT location,date,total\_cases,new\_cases,total\_deaths,population FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

ORDER BY 1,2

#looking at Total Cases vs Total Deaths#

#shows likelihood of dying if you contract covid in your country#

SELECT location,date,total\_cases,total\_deaths,round((total\_deaths/total\_cases)\*100,2) as DeathPercentage FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where location  like  '%states%'

ORDER BY 1,2

#Looking at Total cases vs  Population#

#Shows  what percentage of population got covid#

SELECT location,date,total\_cases,population,round((total\_deaths/population)\*100,2) as PercentagePopulationInfected FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where location is 'United 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\_deaths/population)\*100) as PercentagePopulationInfected

FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where continent is not null

Group by 1,2

ORDER BY 1,2

#Looking at Countries with Highest Infection Rate compared to Population#

Select Location, Population, Max(total\_cases) as HighestInfectionCount, Max((total\_deaths/population)\*100) as PercentagePopulationInfected

FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where continent is not null

Group by 1,2

ORDER BY PercentagePopulationInfected desc

#showing Countries with highest Death Count per Population#

Select Location,  Max(total\_deaths ) as TotalDeathCount

FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where continent is not null

Group by Location

ORDER BY TotalDeathCount desc

#showing continents with highest Death Count per Population#

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

FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where continent is not null

Group by continent

ORDER BY TotalDeathCount desc

#showing continents with highest Death Count per Population#

Select location,  Max(total\_deaths ) as TotalDeathCount

FROM `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where continent is null

Group by location

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 `portfolio-342601.Coronavirus\_portfolio.CovidDeaths`

where continent is not null

group by date

ORDER BY 1,2

#Looking at Total population vs Vaccination#

select dea.continent,dea.location,dea.date,dea.population,vac.new\_vaccinations,sum(convert(int,vac.new\_vaccinations)) over (partition by dea.location order by dea.date)

from `portfolio-342601.Coronavirus\_portfolio.CovidDeaths` dea

join `portfolio-342601.Coronavirus\_portfolio.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null and vac.new\_vaccinations is not null

order by 2,3

#Looking at Total population vs Vaccination#

#Use Windows Function#

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.date) as RollingPeopleVaccinated

from `portfolio-342601.Coronavirus\_portfolio.CovidDeaths` dea

join `portfolio-342601.Coronavirus\_portfolio.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null and vac.new\_vaccinations is not null

order by 2,3

)

select \*,(RollingPeopleVaccinated/population)\*100  from PopvsVac

#Temp Table#

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(vac.new\_vaccinations) over (partition by dea.location order by dea.date) as RollingPeopleVaccinated

from `portfolio-342601.Coronavirus\_portfolio.CovidDeaths` dea

join `portfolio-342601.Coronavirus\_portfolio.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null and vac.new\_vaccinations is not null

order by 2,3

select \*,(RollingPeopleVaccinated/population)\*100  from #PercentPopulationVaccinated

#create 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.date) as RollingPeopleVaccinated

from `portfolio-342601.Coronavirus\_portfolio.CovidDeaths` dea

join `portfolio-342601.Coronavirus\_portfolio.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null and vac.new\_vaccinations is not null