select\*

from `portfolio-project-409710.covid\_data.CovidDeaths`

order by 3,4

select\*

from `portfolio-project-409710.covid\_data.CovidDeaths`

order by 3,4

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

from `portfolio-project-409710.covid\_data.CovidDeaths`

order by 1,2

-- looking at total deaths vs total cases

select location, date, total\_cases, total\_deaths, (total\_deaths/total\_cases)

from `portfolio-project-409710.covid\_data.CovidDeaths`

order by 1,2

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

from `portfolio-project-409710.covid\_data.CovidDeaths`

order by 1,2

-- total deaths vs total cases United Kingdom

-- likelihood of dying after contracting covid in UK

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

from `portfolio-project-409710.covid\_data.CovidDeaths`

where location='United Kingdom'

order by 1,2

-- looking at total cases vs population

-- % of population that got covid

select location, date, population, total\_cases, (total\_cases/population)\*100 as PercentageOfPopInfected

from `portfolio-project-409710.covid\_data.CovidDeaths`

where location='United Kingdom'

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 PercentageOfPopInfected

from `portfolio-project-409710.covid\_data.CovidDeaths`

--where location='United Kingdom'

group by location, population

order by PercentageOfPopInfected DESC

-- looking at countries with highest death count per population

select location, MAX(total\_deaths) as TotalDeathCount

from `portfolio-project-409710.covid\_data.CovidDeaths`

--where location='United Kingdom'

where continent is not null

group by location

order by TotalDeathCount DESC

--continent breakdown

select location, MAX(total\_deaths) as TotalDeathCount

from `portfolio-project-409710.covid\_data.CovidDeaths`

--where location='United Kingdom'

where continent is null

group by location

order by TotalDeathCount DESC

-- global numbers

select date, SUM(new\_cases) as NewCasesPerDay

from `portfolio-project-409710.covid\_data.CovidDeaths`

--where location='United Kingdom'

where continent is not null

group by date

order by 1,2

select date, SUM(new\_cases) as TotalCases, SUM(new\_deaths) as TotalDeaths, SUM(new\_deaths)/SUM(new\_cases)\*100 as DeathPercentage

from `portfolio-project-409710.covid\_data.CovidDeaths`

--where location='United Kingdom'

where continent is not null

group by date

order by 1,2

-- UK Numbers

select date, SUM(new\_cases) as TotalCases, SUM(new\_deaths) as TotalDeaths, SUM(new\_deaths)/SUM(new\_cases)\*100 as DeathPercentage

from `portfolio-project-409710.covid\_data.CovidDeaths`

where location='United Kingdom'

group by date

order by 1,2

--Total Population vs Vaccinations

select\*

from `portfolio-project-409710.covid\_data.CovidDeaths` dea

join `portfolio-project-409710.covid\_data.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

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-409710.covid\_data.CovidDeaths` dea

join `portfolio-project-409710.covid\_data.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

where dea.continent is not null

order by 2,3

-- Temp Table

with Percent\_Population\_Vaccinated 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 Rolling\_People\_Vaccinated

from `portfolio-project-409710.covid\_data.CovidDeaths` dea

join `portfolio-project-409710.covid\_data.CovidVaccinations` vac

on dea.location = vac.location

and dea.date = vac.date

)

Select \*, (Rolling\_People\_Vaccinated/Population)\*100

From Percent\_Population\_Vaccinated