```sql
--Selecting the data that I am going to be using

select location, date, total_cases, new_cases, total_deaths, population
from `data-project-practice-391519.covid_data.covid_deaths`
order by 1,2


-- Total Cases vs Population
-- Shows the percentage of the population that contracted Covid

select location, date, population,total_cases, (total_cases/population)*100 as
PercentPopulationInfected
from `data-project-practice-391519.covid_data.covid_deaths`
where location = 'United States'
order by 1,2


-- Looking at Total Cases vs Total Deaths
-- Shows the likelihood of dying if you contract covid in your country

select location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 as
DeathPercentage
from `data-project-practice-391519.covid_data.covid_deaths`
where location = 'United States'
order by 1,2


-- Countries with Highest Infection Rate compared to Population

select location, population, max(total_cases) as
HighestInefectionCount,max((total_cases/population))*100 as PercentPopulationInfected
from `data-project-practice-391519.covid_data.covid_deaths`
--where location = 'United States'
group by location, population
order by PercentPopulationInfected desc


-- Countries with Highest Death Count per Population

select location, max(cast(total_deaths as int)) as TotalDeathCount
from `data-project-practice-391519.covid_data.covid_deaths`
where continent is not null
group by location
order by TotalDeathCount desc


--Breaking Things Down By Continent
```

```sql
Select location, MAX(cast(Total_deaths as int)) as TotalDeathCount
From `data-project-practice-391519.covid_data.covid_deaths`
--Where location like '%states%'
Where continent is null
Group by location
order by TotalDeathCount desc


-- GLOBAL NUMBERS

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 `data-project-practice-391519.covid_data.covid_deaths`
where continent is not null
--group by date
order by 1,2


-- looking at Total Population vs Vaccinations

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,
-- (RollingPeopleVaccinated/dea.population)* 100
from `data-project-practice-391519.covid_data.covid_deaths` dea
join `data-project-practice-391519.covid_data.covid_vaccinations` vac
  on dea.location = vac.location
  and dea.date = vac.date
where dea.continent is not null
order by 2,3


-- Using CTE to perform Calculation on Partition By in previous query

With PopvsVac (Continent, Location, Date, Population, New_Vaccinations,
RollingPeopleVaccinated)
as
(
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.location, dea.Date) as RollingPeopleVaccinated
--, (RollingPeopleVaccinated/population)*100
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 *, (RollingPeopleVaccinated/Population)*100
From PopvsVac


DROP Table if exists #PercentPopulationVaccinated
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(CONVERT(int,vac.new_vaccinations)) OVER (Partition by dea.Location Order by
dea.location, dea.Date) as RollingPeopleVaccinated
--, (RollingPeopleVaccinated/population)*100
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 *, (RollingPeopleVaccinated/Population)*100
From #PercentPopulationVaccinated


-- 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(CONVERT(int,vac.new_vaccinations)) OVER (Partition by dea.Location Order by
dea.location, dea.Date) as RollingPeopleVaccinated
--, (RollingPeopleVaccinated/population)*100
From PortfolioProject..CovidDeaths dea
Join PortfolioProject..CovidVaccinations vac
  On dea.location = vac.location
  and dea.date = vac.date
where dea.continent is not null
```