```sql
SELECT *
FROM `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Order by 3,4;

SELECT *
FROM `covid-sql-project.Covid_vacc.Covid_Vacc`
Where continent is not null
Order by 3,4;

SELECT location, date, total_cases, new_cases,total_deaths, population
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
order by 1,2;

-- Looking at total cases vs total deaths --
SELECT location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 As
death_percentage
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
order by 1,2;

-- Look at total cases vs total death specific to the United States--
-- Shows what percentage of total covid cases that resulted in death --
SELECT location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 As
death_percentage
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where location = 'United States'And continent is not null
order by 1,2;

-- Looking at total cases vs population specific to the United States --
-- Shows what percentage of the population got Covid --
SELECT location, date, total_cases,population, (total_cases/population)*100 As
percent_of_pop_infected
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where location = 'United States' and continent is not null
order by 1,2;

-- Looking at which countries have the highest infection rate compared to population -
-
SELECT location, population, MAX(total_cases) As highest_infection_count,
MAX((total_cases/population))*100 As percent_of_pop_infected
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Group by location, population
order by percent_of_pop_infected desc;
```

```sql
SELECT location, population, date, MAX(total_cases) As highest_infection_count,
MAX((total_cases/population))*100 As percent_of_pop_infected
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Group by location, population,date
order by percent_of_pop_infected desc;

-- Looking at countries with highest death count per population --
SELECT location, population, Max(total_deaths) as total_death_count
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Group by location, population
order by total_death_count desc;

-- Break it down by continent --
SELECT continent, Max(total_deaths) as total_death_count
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Group by continent
order by total_death_count desc;

-- Break it down by location --
SELECT location, Max(total_deaths) as total_death_count
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is null
Group by location
order by total_death_count desc;

-- Global Numbers by Date--
SELECT date, SUM(new_cases) as total_new_cases, SUM(new_deaths) as total_new_deaths,
(SUM(new_deaths)/SUM(new_cases))*100 As death_percentage
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Group by date
order by 1,2;

-- Global Numbers by Overall--
SELECT SUM(new_cases) as total_new_cases, SUM(new_deaths) as total_new_deaths,
(SUM(new_deaths)/SUM(new_cases))*100 As death_percentage
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
order by 1,2;

-- Total Deaths by continent --
Select location, Sum(new_deaths) as TotalDeathCount
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is null And location not IN('World', 'European Union',
'International')
```

```sql
Group by location
Order By TotalDeathCount desc

-- Look at Covid Vaccinations table --
Select *
From `covid-sql-project.Covid_vacc.Covid_Vacc`;

-- Join Covid Deaths and Vaccination table --
Select *
From `covid-sql-project.Covid_deaths.Covid_deaths` death
Join `covid-sql-project.Covid_vacc.Covid_Vacc` vacc
On vacc.location = death.location AND vacc.date = death.date;

-- Looking at total population vs new vaccinations per day --
Select death.continent, death.location, death.date, death.population,
vacc.new_vaccinations, SUM(vacc.new_vaccinations) OVER (PARTITION BY death.location
order by death.location, death.date) as Rolling_People_Vacc
From `covid-sql-project.Covid_deaths.Covid_deaths` death
Join `covid-sql-project.Covid_vacc.Covid_Vacc` vacc
On vacc.location = death.location AND vacc.date = death.date
Where death.continent is not null
order by 2,3;

-- Using CTE (Common Table Expression) --
-- Percentage of the population that is vaccinated --
With PopvsVacc
As
(
Select death.continent, death.location, death.date, death.population,
vacc.new_vaccinations, SUM(vacc.new_vaccinations) OVER (PARTITION BY death.location
order by death.location, death.date) as Rolling_People_Vacc
From `covid-sql-project.Covid_deaths.Covid_deaths` death
Join `covid-sql-project.Covid_vacc.Covid_Vacc` vacc
On vacc.location = death.location AND vacc.date = death.date
Where death.continent is not null
)
Select *, (Rolling_People_Vacc/population)*100
From PopvsVacc;

-- Temp Table --
Create Table `covid-sql-project.PercentPop.PercentPopulationVaccinated`( Continent
string, Location string, Date datetime, Population numeric, New_Vaccinations numeric,
Rolling_people_Vacc numeric);

INSERT INTO PercentPopulationVaccinated
Select death.continent, death.location, death.date, death.population,
vacc.new_vaccinations, SUM(vacc.new_vaccinations) OVER (PARTITION BY death.location
order by death.location, death.date) as Rolling_People_Vacc
```

```sql
From `covid-sql-project.Covid_deaths.Covid_deaths` death
Join `covid-sql-project.Covid_vacc.Covid_Vacc` vacc
On vacc.location = death.location AND vacc.date = death.date
Where death.continent is not null;

-- Creating View to store data for later visuals --
-- Looking at total population vs new vaccinations per day --
Create View `covid-sql-project.PercentPop.TotalPopvsNewVaccperday` as
Select death.continent, death.location, death.date, death.population,
vacc.new_vaccinations, SUM(vacc.new_vaccinations) OVER (PARTITION BY death.location
order by death.location, death.date) as Rolling_People_Vacc
From `covid-sql-project.Covid_deaths.Covid_deaths` death
Join `covid-sql-project.Covid_vacc.Covid_Vacc` vacc
On vacc.location = death.location AND vacc.date = death.date
Where death.continent is not null;

-- Creating View to store data for later visuals --
-- Looking at total cases vs total deaths --
Create View `covid-sql-project.PercentPop.TotalCasesvsTotalDeath` as
SELECT location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 As
death_percentage
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
order by 1,2;

-- Creating View to store data for later visuals --
-- Look at total cases vs total death specific to the United States--
-- Shows what percentage of total covid cases that resulted in death --
Create View `covid-sql-project.PercentPop.PercentofTotalcasesResultinginDeathUSA` as
SELECT location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 As
death_percentage
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where location = 'United States'And continent is not null
order by 1,2;

-- Creating View to store data for later visuals --
-- Looking at total cases vs population specific to the United States --
-- Shows what percentage of the population got Covid --
Create View `covid-sql-project.PercentPop.PercentofPopthatgotCovidUSA` as
SELECT location, date, total_cases,population, (total_cases/population)*100 As
percent_of_pop_infected
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where location = 'United States' and continent is not null
order by 1,2;

-- Creating View to store data for later visuals --
-- Looking at continenets with highest death count per population --
Create View `covid-sql-project.PercentPop.ContinentHighestDeathCountperpop` as
```

```sql
SELECT continent, Max(total_deaths) as total_death_count
From `covid-sql-project.Covid_deaths.Covid_deaths`
Where continent is not null
Group by continent
order by total_death_count desc;
```