SQL QUERY

-- total cases vs total deaths

```
SELECT date,continent,location ,total_cases, total_deaths,(total_deaths/total_cases)*100 as
death_percentage
FROM COVID
WHERE location= 'India'
order by death_percentage DESC
```

--total cases vs total population

```
SELECT date, location, population, total_cases, (total_cases/population)*100 as percent_infected
from COVID
```

--COUNTRIES WITH HIGHEST infected PERCENTAGE RATE

```
SELECT location, population, MAX(total_cases) as highest_infection,
max(total_cases/population)*100 as percent_infected
from COVID
WHERE continent is not NULL
GROUP BY location,population
order by percent_infected DESC
```

--COUNTRIES WITH HIGHEST DEATH COUNT--

```
SELECT  location, MAX(cast(total_deaths as INT)) as total_death_count
FROM COVID
WHERE continent is not NULL
GROUP BY location
order by total_death_count desc
```

```
--CONTINENT WITH HIGHEST DEATH COUNT--

SELECT  continent, MAX(cast(total_deaths as INT)) as total_death_count

FROM COVID

WHERE continent is not NULL

GROUP BY continent

order by total_death_count desc



--global numbers


SELECT  SUM(new_cases) as TotalCases, sum(cast(new_deaths as int)) as TotalDeath,

(sum(cast(new_deaths as int))/SUM(new_cases))*100 as DeathPercentage

FROM COVID

where continent is not null

--group by date



--Total population vs new vaccinatiion



select  continent, location,date, population,new_vaccinations,

SUM(cast(new_vaccinations as int)) OVER (PARTITION by location order by date, location) as
TotalVaccination

from COVID

where continent is not null and new_vaccinations is NOT NULL

order by date
```