

```
/*  
Data exploration using SQL  
Covid data extracted from 18th Jan upto 27th July.  
Data taken from https://ourworldindata.org/covid-deaths  
*/
```

```
select*  
from PortfolioProject..CovidDeaths order by 3,4;
```

```
select *  
from PortfolioProject..CovidVaccinations order by 3,4;
```

```
--Total deaths vs Total cases  
Select location, date, total_cases, total_deaths, (total_cases/total_deaths)*100 as  
Death_Percentage  
from PortfolioProject..CovidDeaths  
order by 1,2
```

```
--Total deaths vs Total cases in India  
Select Location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 as  
DeathPercentage  
From PortfolioProject..CovidDeaths  
Where location like '%India%'  
and continent is not null  
order by 1,2
```

```
--Total cases vs population in India  
--Showing what percentage of population contracted covid  
Select location, date,population,total_cases, (total_cases/total_deaths)*100  
as Percent_Population_infected  
from PortfolioProject..CovidDeaths  
where location like 'India'  
order by 1,2
```

```
-- Death percentage of entire world  
Select 'world' as location,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 PortfolioProject..CovidDeaths  
where continent is not null  
order by 1,2
```

```
--Total Death count according to continents
```

```
Select location, SUM(cast(new_deaths as int)) as TotalDeathCount
From PortfolioProject..CovidDeaths
Where continent is null
and location not in ('World', 'European Union', 'International')
Group by location
order by TotalDeathCount desc
```

```
--Percentage of population affected in each country
Select Location, Population, MAX(total_cases) as HighestInfectionCount,
Max((total_cases/population))*100 as PercentPopulationInfected
From PortfolioProject..CovidDeaths
Group by Location, Population
order by PercentPopulationInfected desc
```

```
-- Details including date
Select Location, Population,date, MAX(total_cases) as HighestInfectionCount,
Max((total_cases/population))*100 as PercentPopulationInfected
From PortfolioProject..CovidDeaths
Group by Location, Population, date
order by PercentPopulationInfected desc
```