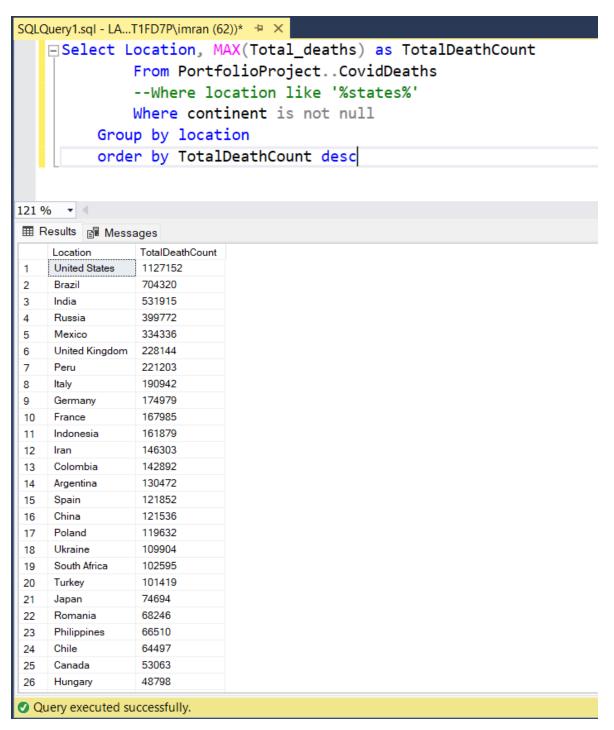
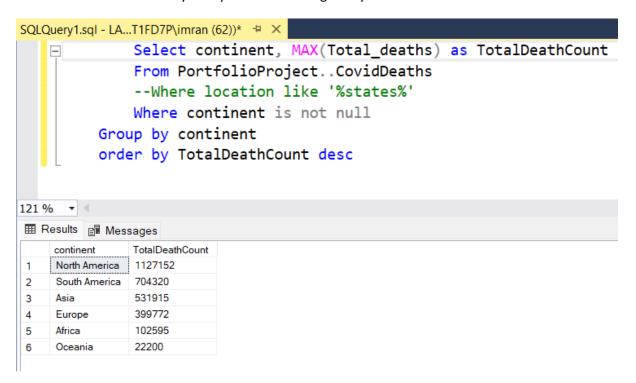
This project which contains 2 files named Covid Deaths and Covid Vaccinations, which are both loaded on SSMS. Data types of relevant field were changed to integer to avoid later conversion during code execution.

The aim of this Project is to analyse the dataset related to deaths and vaccinations due to Covid-19.

Initially, Total deaths were analysed grouped by Location.



Then total deaths were analysed by continents using the syntax below.



Next the global deaths percentage was queried

```
SQLQuey1.sql -LA...T1FD7P\mran (62))* * > X

-- GLOBAL NUMBERS

Select SUM(new_cases) as total_cases, SUM(new_deaths) as total_deaths, SUM(new_deaths)/SUM(New_Cases)*100 as DeathPercentage
From PortfolioProject..CovidDeaths
--Where location like '%states%'
where continent is not null
order by 1, 2

121 % 
| Messages |
```

Using the Syntax below, Percentage of population was analysed who received atleast one Covid Vaccination and this was accomplished by joining two tables covid deaths and covid vaccinations

```
SQLQuery1.sql - LA...T1FD7P\imran (62))* → ×
                                                                            Shows Percentage of Population that has recieved at least one Covid Vaccine

    □ 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
                          --, (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

        continent
        location
        date
        population

        Faisa
        Alghanistan
        2020-91-03 00 00 00 00
        00 41128772

        Asia
        Alghanistan
        2020-01-05 00 00 00 00
        41128772

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        Alghanistan
        2020-01-05 00 00 00 00
        00 41128772

        Asia
        Alghanistan
        2020-01-05 00 00 00 00
        00 1128772

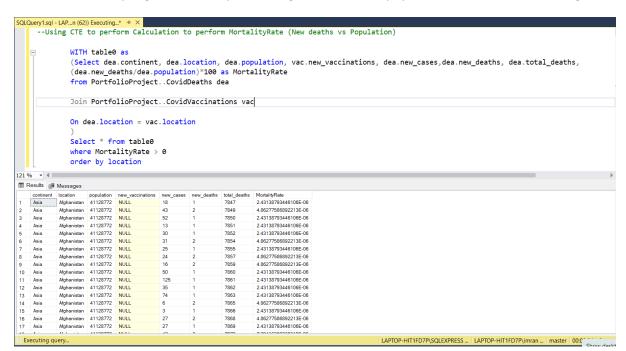
        Asia
        Alghanistan
        2020-01-08 00 00 00 00
        00 1272

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        Alghanistan
        2020-01-08 00 00 00 00
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        Asia
        Alghanistan
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```

Furthermore, analysing the mortality rate using new deaths vs population was carried out using CTE



Temp table was created

```
SQLQuery1.sql - LA...T1FD7P\imran (62))* 😕 🗙
          -- Using Temp Table to perform Calculation on Partition By in previous query
DROP Table if exists #PercentPopulationVaccinated
            Create Table #PercentPopulationVaccinated
              Continent 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(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
           Select *, (RollingPeopleVaccinated/Population)*100
          From #PercentPopulationVaccinated
121 % 🔻 🖣 🗔
Results Messages

        Results
        Messages

        Continent
        Location

        Jasia
        Alphanistan

        Auia
        Alphanistan

        Asia
        Alphanistan

        Asia
        Alphanistan

        Asia
        Alphanistan

        2020-01-08 00:000:000
        41128772
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        Alphanistan
        2020-01-08 00:000:000
        41128772
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        Alphanistan
        2020-01-08 00:000:000
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                                                                                                                                                                                                                                                          LAPTOP-HIT1FD7P\SQLEXPRESS ... | LAPTOP-HIT1FD7P\imran ... | master | 00:00:14 | 327,230 rows
```

Finally to store the data for later visualisation, Create view was created