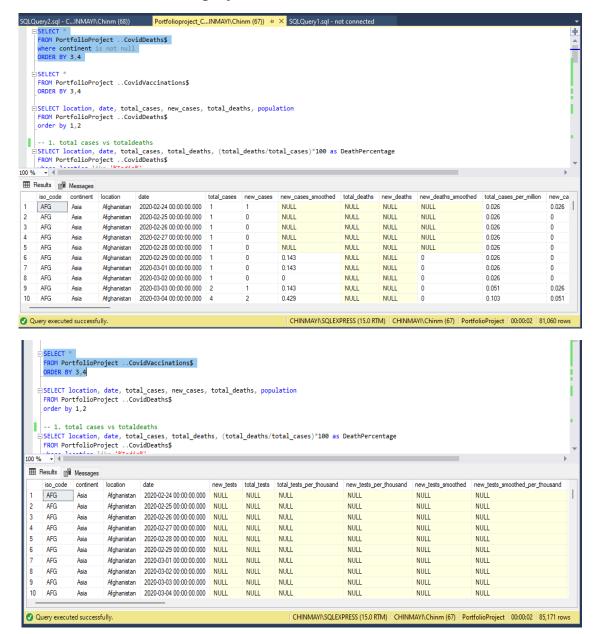
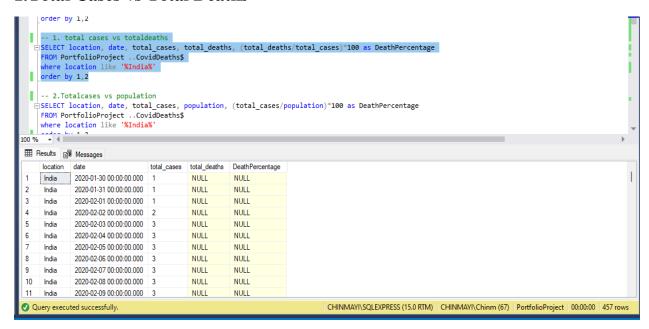
SQL PORTFOLIO PROJECT – COVID 19 ANALYSIS REPORT (S.CHINMAYI)

This is a Covid-19 Analysis Project report consisting of the Queries performed and the Output obtained. The RDBMS Tool used for this Project is SSMS.

The two tables used for this project are CovidDeaths and CovidVaccinations

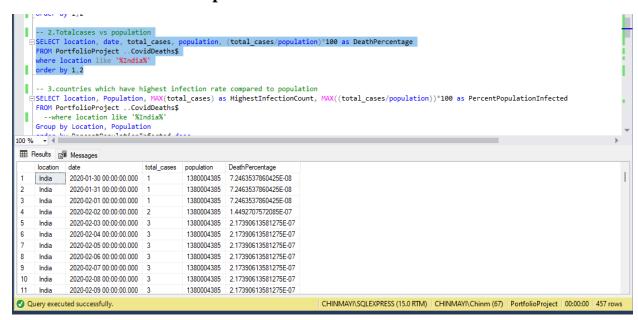


1.Total Cases vs Total Deaths

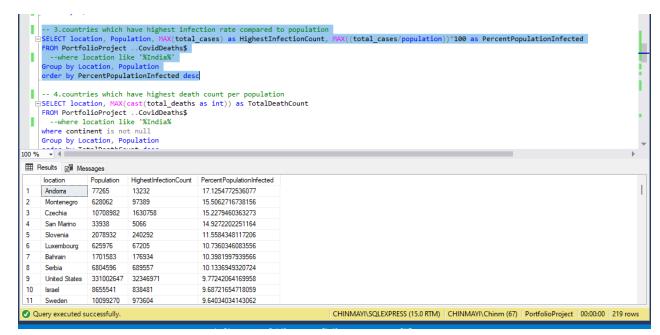


We get an output of about 210 rows after executing the query.

2. Total Cases vs Total Population



3. Countries having Highest Infection Rates compared to population



Andorra has Highest Infection Rate of about 17.12%.

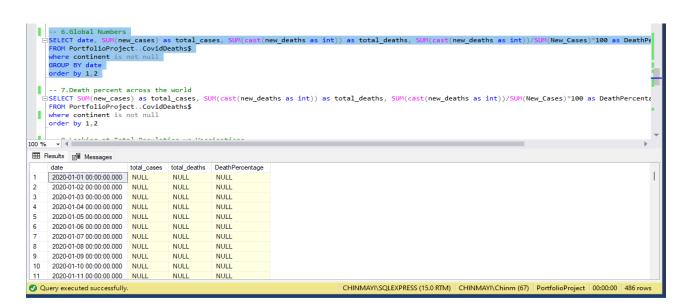
4. Countries having Highest Death Count per Population



United States has the Highest Death Count

5. Analyzing the data Continent-wise



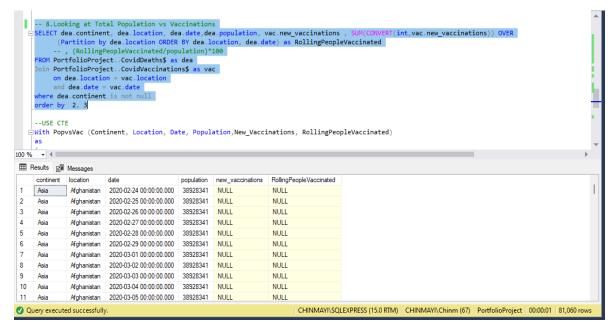


5.Death Percent Across the World

```
-- 7.Death percent across the world

□ SELECT SUM(new_cases) as total_cases,
                                          SUM(cast(new_deaths as int))
   FROM PortfolioProject..CovidDeaths$
   where continent is not null
   order by 1,2
   -- 8.Looking at Total Population vs Vaccinations
 SELECT dea.continent, dea.location, dea.date,dea.population, vac.n
         (Partition by dea.location ORDER BY dea.location, dea.date)
        -- , (RollingPeopleVaccinated/population)*100
   FROM PortfolioProject..CovidDeaths$ as dea
   Join PortfolioProject..CovidVaccinations$ as vac
        on dea.location = vac.location
        and dea.date = vac.date
   where dea.continent is not null
   - 4 I
) %
■ Results   ■ Messages
   total cases
              total deaths
                         DeathPercentage
    150574977
              3180206
                         2.11204149810363
```

6. Total Population vs Vaccinations



```
| --USE CTE
| Nith PopvsVac (Continent, Location, Date, Population, New_Vaccinations, RollingPeopleVaccinated)
      (SELECT dea.continent, dea.location, dea.date,dea.population, vac.new_vaccinations , SUM(CONVER (Partition by dea.location ORDER BY dea.location, dea.date) as RollingPeopleVaccinated ---, (RollingPeopleVaccinated/population)*100

FROM PortfolioProject..CovidDeaths$ as dea
Join PortfolioProject..CovidVaccinations$ as vac
    on dea.location = vac.location
    and dea.date = vac.date
where dea.continent is not null
                                                                                                                                                    ERT(int,vac.new_vaccinations)) OVER
     FROM PopvsVac
00 % + 4
Results Messages
      Continent Location
                                   Date
                                                                  Population New_Vaccinations RollingPeopleVaccinated
      Asia Afghanistan 2020-02-24 00:00:00.000 38928341 NULL
                                                                                                       NULL
2
        Asia
                    Afghanistan 2020-02-25 00:00:00.000 38928341 NULL
                                                                                                        NULL
                    Afghanistan 2020-02-26 00:00:00.000 38928341 NULL
                                                                                                        NULL
       Asia
                    Afghanistan 2020-02-27 00:00:00.000 38928341 NULL
                                                                                                        NULL
                    Afghanistan 2020-02-28 00:00:00.000 38928341 NULL
       Asia
                                                                                                        NULL
                    Afghanistan 2020-02-29 00:00:00.000 38928341 NULL
6
       Asia
                                                                                                        NULL
                    Afghanistan 2020-03-01 00:00:00.000 38928341 NULL
       Asia
                                                                                                        NULL

        Afghanistan
        2020-03-02 00:00:00.000
        38928341
        NULL

        Afghanistan
        2020-03-03 00:00:00.000
        38928341
        NULL

8
       Asia
                                                                                                        NULL
9
       Asia
                                                                                                        NULL
                    Afghanistan 2020-03-04 00:00:00.000 38928341 NULL
10 Asia
                                                                                                        NULL
11
        Asia
                     Afghanistan 2020-03-05 00:00:00.000 38928341 NULL
                                                                                                        NULL
                                                                                                                 CHINMAYI\SQLEXPRESS (15.0 RTM) | CHINMAYI\Chinm (67) | PortfolioProject | 00:00:01 | 81,060 rows
Query executed successfully.
```