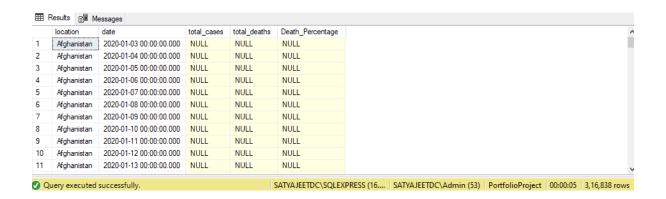
SQL PROJECT: COVID Data Analysis

1.Total cases vs Total deaths

SELECT location,date,total_cases,total_deaths,(total_deaths/total_cases)*100 AS Death_Percentage FROM PortfolioProject..CovidDeaths ORDER BY 1,2

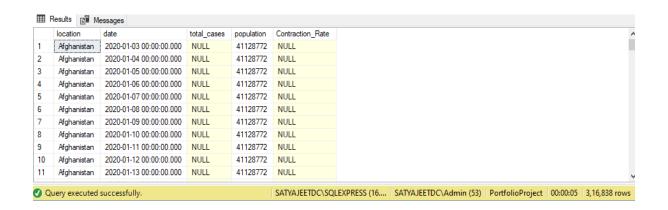
WHERE continent IS NOT NULL;



2.Total Cases vs Population

SELECT location,date,total_cases,population,(total_cases/population)*100 AS Contraction_Rate FROM PortfolioProject..CovidDeaths ORDER BY 1,2

WHERE continent IS NOT NULL;



3.Countries with Highest Infection Rate compared to Population

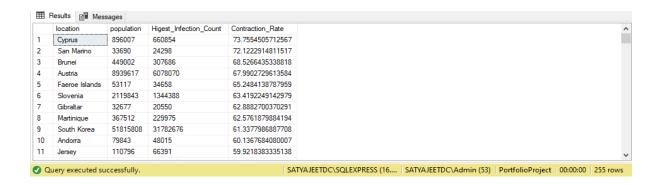
SELECT location, population, MAX(total_cases) AS Higest_Infection_Count,

MAX((total_cases/population))*100 AS Contraction_Rate

FROM PortfolioProject..CovidDeaths

WHERE continent IS NOT NULL;

GROUP BY population, locationORDER BY Contraction_Rate DESC;



4. Countries with Highest Death Count per Population

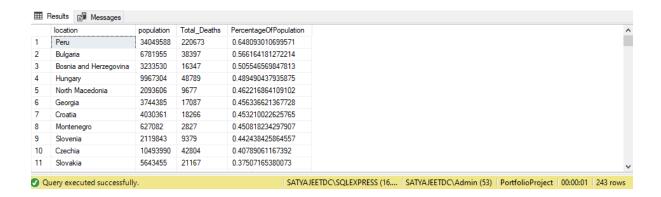
SELECT location, population, MAX (total_deaths) AS Total_Deaths,

MAX((total_deaths/population))*100 AS PercentageOfPopulation

FROM PortfolioProject..CovidDeaths

WHERE continent IS NOT NULL

GROUP BY population, location ORDER BY PercentageOfPopulation DESC;



5. Show continents with the highest death count per population

SELECT continent, MAX(total_deaths) AS Total_Deaths

FROM PortfolioProject..CovidDeaths

WHERE continent IS NOT NULL

GROUP BY continent ORDER BY Total_Deaths DESC;



6.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 continent IS NOT NULL

ORDER BY 1,2



7. Shows Percentage of Population that has received at least one Covid Vaccine.

```
DROP TABLE IF EXISTS #PercentPopulationVaccinated
CREATE TABLE #PercentPopulationVaccinated
(
Continent nvarchar(255),
Location nvarchar(255),
Date datetime,
Population float,
New_vaccinations float,
RollingPeopleVaccinated float
)
```

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

FROM PortfolioProject..CovidDeaths dea

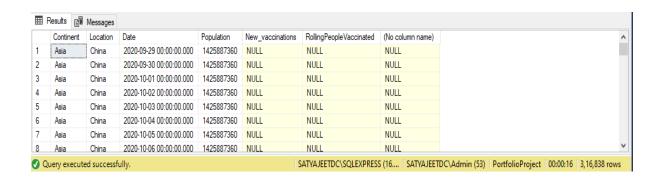
JOIN PortfolioProject..CovidVaccinations vac

ON dea.location = vac.location

AND dea.date = vac.date

SELECT *, (RollingPeopleVaccinated/Population)*100

FROM #PercentPopulationVaccinated



Creating View to store data for later visualizations

CREATE VIEW PercentPopulationVaccinated AS

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

From PortfolioProject..CovidDeaths dea

Join PortfolioProject..CovidVaccinations vac

ON dea.location = vac.location

AND dea.date = vac.date

WHERE dea.continent IS NOT NULL;

