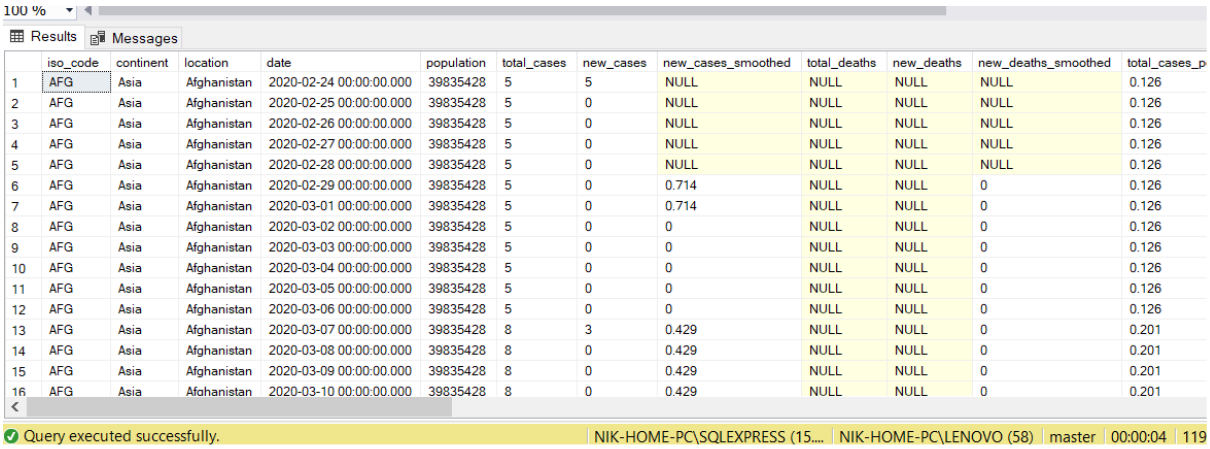
```sql
select *
From Project1..CovidDeaths
Where continent is not null
order by 3,4

-- Select Data that we are going to be starting with
```



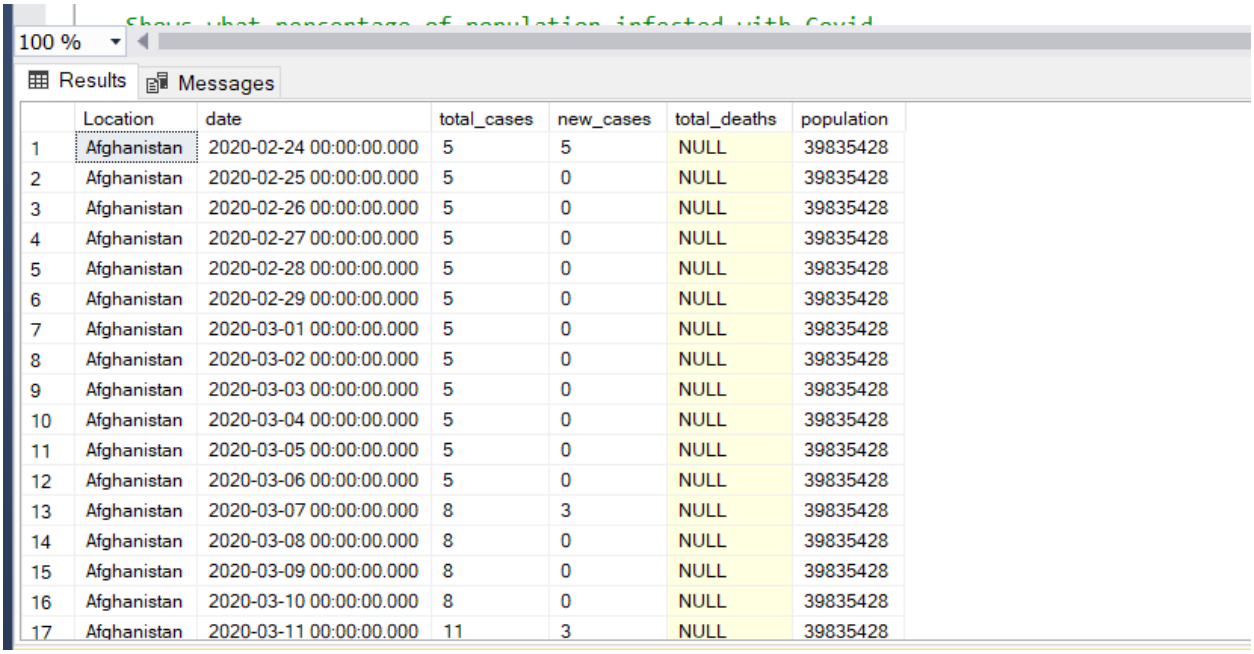
100 %

Results | Messages

	iso_code	continent	location	date	population	total_cases	new_cases	new_cases_smoothed	total_deaths	new_deaths	new_deaths_smoothed	total_cases_p
1	AFG	Asia	Afghanistan	2020-02-24 00:00:00.000	39835428	5	5	NULL	NULL	NULL	NULL	0.126
2	AFG	Asia	Afghanistan	2020-02-25 00:00:00.000	39835428	5	0	NULL	NULL	NULL	NULL	0.126
3	AFG	Asia	Afghanistan	2020-02-26 00:00:00.000	39835428	5	0	NULL	NULL	NULL	NULL	0.126
4	AFG	Asia	Afghanistan	2020-02-27 00:00:00.000	39835428	5	0	NULL	NULL	NULL	NULL	0.126
5	AFG	Asia	Afghanistan	2020-02-28 00:00:00.000	39835428	5	0	NULL	NULL	NULL	NULL	0.126
6	AFG	Asia	Afghanistan	2020-02-29 00:00:00.000	39835428	5	0	0.714	NULL	NULL	0	0.126
7	AFG	Asia	Afghanistan	2020-03-01 00:00:00.000	39835428	5	0	0.714	NULL	NULL	0	0.126
8	AFG	Asia	Afghanistan	2020-03-02 00:00:00.000	39835428	5	0	0	NULL	NULL	0	0.126
9	AFG	Asia	Afghanistan	2020-03-03 00:00:00.000	39835428	5	0	0	NULL	NULL	0	0.126
10	AFG	Asia	Afghanistan	2020-03-04 00:00:00.000	39835428	5	0	0	NULL	NULL	0	0.126
11	AFG	Asia	Afghanistan	2020-03-05 00:00:00.000	39835428	5	0	0	NULL	NULL	0	0.126
12	AFG	Asia	Afghanistan	2020-03-06 00:00:00.000	39835428	5	0	0	NULL	NULL	0	0.126
13	AFG	Asia	Afghanistan	2020-03-07 00:00:00.000	39835428	8	3	0.429	NULL	NULL	0	0.201
14	AFG	Asia	Afghanistan	2020-03-08 00:00:00.000	39835428	8	0	0.429	NULL	NULL	0	0.201
15	AFG	Asia	Afghanistan	2020-03-09 00:00:00.000	39835428	8	0	0.429	NULL	NULL	0	0.201
16	AFG	Asia	Afghanistan	2020-03-10 00:00:00.000	39835428	8	0	0.429	NULL	NULL	0	0.201

Query executed successfully. NIK-HOME-PC\SQLEXPRESS (15.... NIK-HOME-PC\LENOVO (58) master 00:00:04 119

```sql
Select Location, date, total_cases, new_cases, total_deaths, population
From Project1..CovidDeaths
Where continent is not null
order by 1,2
```

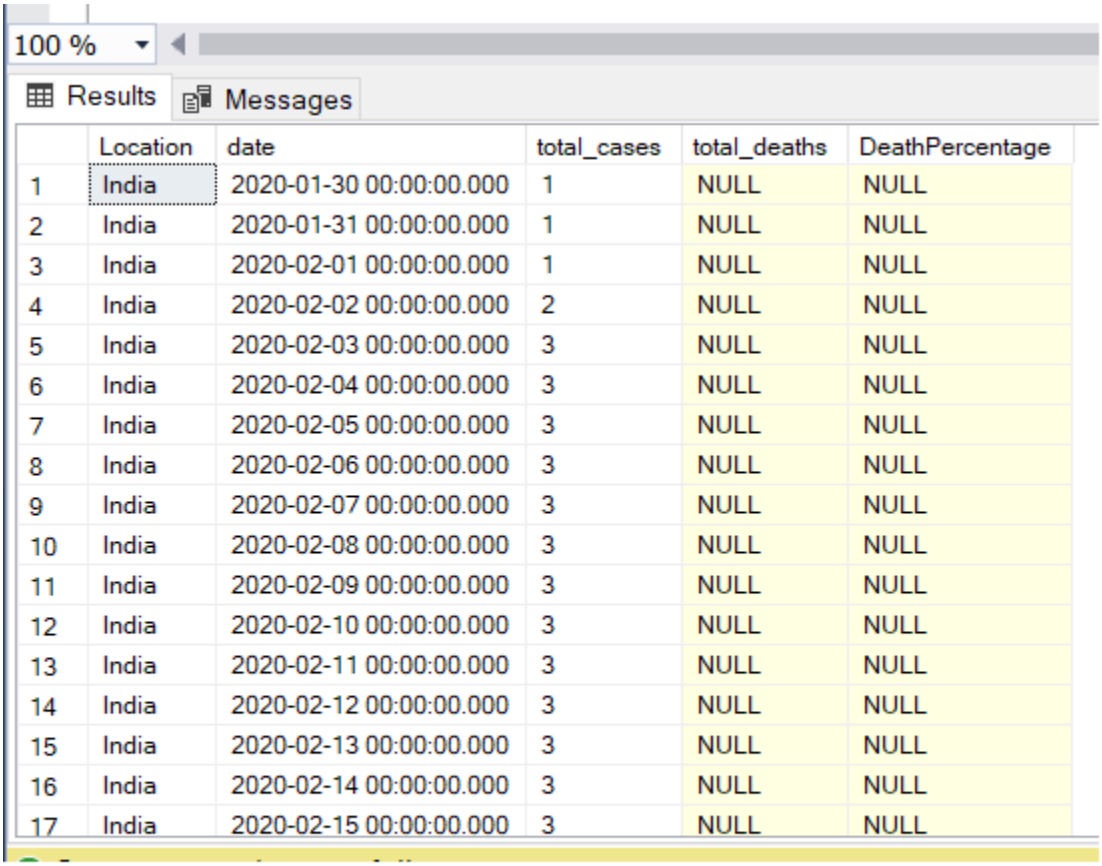


100 %

Results | Messages

	Location	date	total_cases	new_cases	total_deaths	population
1	Afghanistan	2020-02-24 00:00:00.000	5	5	NULL	39835428
2	Afghanistan	2020-02-25 00:00:00.000	5	0	NULL	39835428
3	Afghanistan	2020-02-26 00:00:00.000	5	0	NULL	39835428
4	Afghanistan	2020-02-27 00:00:00.000	5	0	NULL	39835428
5	Afghanistan	2020-02-28 00:00:00.000	5	0	NULL	39835428
6	Afghanistan	2020-02-29 00:00:00.000	5	0	NULL	39835428
7	Afghanistan	2020-03-01 00:00:00.000	5	0	NULL	39835428
8	Afghanistan	2020-03-02 00:00:00.000	5	0	NULL	39835428
9	Afghanistan	2020-03-03 00:00:00.000	5	0	NULL	39835428
10	Afghanistan	2020-03-04 00:00:00.000	5	0	NULL	39835428
11	Afghanistan	2020-03-05 00:00:00.000	5	0	NULL	39835428
12	Afghanistan	2020-03-06 00:00:00.000	5	0	NULL	39835428
13	Afghanistan	2020-03-07 00:00:00.000	8	3	NULL	39835428
14	Afghanistan	2020-03-08 00:00:00.000	8	0	NULL	39835428
15	Afghanistan	2020-03-09 00:00:00.000	8	0	NULL	39835428
16	Afghanistan	2020-03-10 00:00:00.000	8	0	NULL	39835428
17	Afghanistan	2020-03-11 00:00:00.000	11	3	NULL	39835428

```sql
-- Total Cases vs Total Deaths
-- Shows likelihood of dying if you contract covid in your country

Select Location, date, total_cases,total_deaths, (total_deaths/total_cases)*100 as
DeathPercentage
From Project1..CovidDeaths
Where location like '%India%'
and continent is not null
order by 1,2
```



100 %

Results | Messages

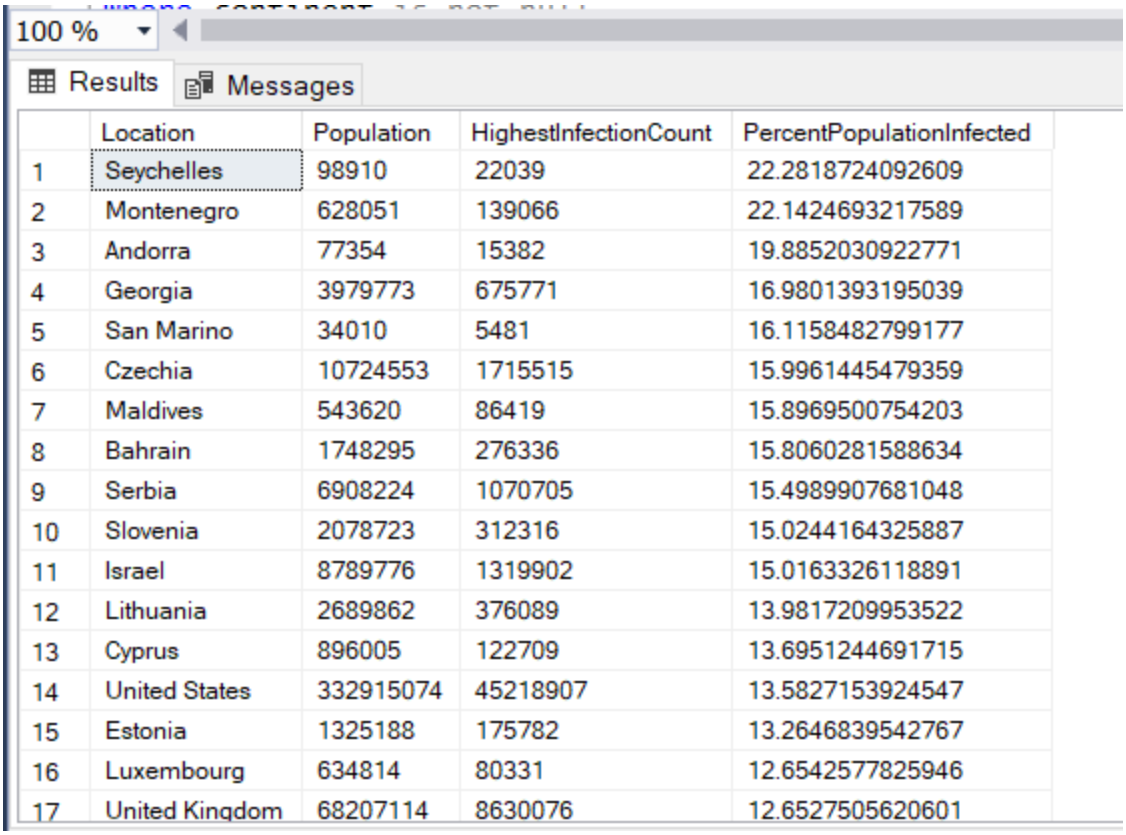
	Location	date	total_cases	total_deaths	DeathPercentage
1	India	2020-01-30 00:00:00.000	1	NULL	NULL
2	India	2020-01-31 00:00:00.000	1	NULL	NULL
3	India	2020-02-01 00:00:00.000	1	NULL	NULL
4	India	2020-02-02 00:00:00.000	2	NULL	NULL
5	India	2020-02-03 00:00:00.000	3	NULL	NULL
6	India	2020-02-04 00:00:00.000	3	NULL	NULL
7	India	2020-02-05 00:00:00.000	3	NULL	NULL
8	India	2020-02-06 00:00:00.000	3	NULL	NULL
9	India	2020-02-07 00:00:00.000	3	NULL	NULL
10	India	2020-02-08 00:00:00.000	3	NULL	NULL
11	India	2020-02-09 00:00:00.000	3	NULL	NULL
12	India	2020-02-10 00:00:00.000	3	NULL	NULL
13	India	2020-02-11 00:00:00.000	3	NULL	NULL
14	India	2020-02-12 00:00:00.000	3	NULL	NULL
15	India	2020-02-13 00:00:00.000	3	NULL	NULL
16	India	2020-02-14 00:00:00.000	3	NULL	NULL
17	India	2020-02-15 00:00:00.000	3	NULL	NULL

```sql
-- Total Cases vs Population
-- Shows what percentage of population infected with Covid

Select Location, date, Population, total_cases,  (total_cases/population)*100 as
PercentPopulationInfected
From Project1..CovidDeaths
Where location like '%India%'
order by 1,2
```

Results | Messages

	Location	date	Population	total_cases	PercentPopulationInfected
1	India	2020-01-30 00:00:00.000	1393409033	1	7.17664358646367E-08
2	India	2020-01-31 00:00:00.000	1393409033	1	7.17664358646367E-08
3	India	2020-02-01 00:00:00.000	1393409033	1	7.17664358646367E-08
4	India	2020-02-02 00:00:00.000	1393409033	2	1.43532871729273E-07
5	India	2020-02-03 00:00:00.000	1393409033	3	2.1529930759391E-07
6	India	2020-02-04 00:00:00.000	1393409033	3	2.1529930759391E-07
7	India	2020-02-05 00:00:00.000	1393409033	3	2.1529930759391E-07
8	India	2020-02-06 00:00:00.000	1393409033	3	2.1529930759391E-07
9	India	2020-02-07 00:00:00.000	1393409033	3	2.1529930759391E-07
10	India	2020-02-08 00:00:00.000	1393409033	3	2.1529930759391E-07
11	India	2020-02-09 00:00:00.000	1393409033	3	2.1529930759391E-07
12	India	2020-02-10 00:00:00.000	1393409033	3	2.1529930759391E-07
13	India	2020-02-11 00:00:00.000	1393409033	3	2.1529930759391E-07
14	India	2020-02-12 00:00:00.000	1393409033	3	2.1529930759391E-07
15	India	2020-02-13 00:00:00.000	1393409033	3	2.1529930759391E-07
16	India	2020-02-14 00:00:00.000	1393409033	3	2.1529930759391E-07
17	India	2020-02-15 00:00:00.000	1393409033	3	2.1529930759391E-07

```
-- Countries with Highest Infection Rate compared to Population

Select Location, Population, MAX(total_cases) as HighestInfectionCount,
Max((total_cases/population))*100 as PercentPopulationInfected
From Project1..CovidDeaths
--Where location like '%states%'
Group by Location, Population
order by PercentPopulationInfected desc
```



100 %

Results | Messages

	Location	Population	HighestInfectionCount	PercentPopulationInfected
1	Seychelles	98910	22039	22.2818724092609
2	Montenegro	628051	139066	22.1424693217589
3	Andorra	77354	15382	19.8852030922771
4	Georgia	3979773	675771	16.9801393195039
5	San Marino	34010	5481	16.1158482799177
6	Czechia	10724553	1715515	15.9961445479359
7	Maldives	543620	86419	15.8969500754203
8	Bahrain	1748295	276336	15.8060281588634
9	Serbia	6908224	1070705	15.4989907681048
10	Slovenia	2078723	312316	15.0244164325887
11	Israel	8789776	1319902	15.0163326118891
12	Lithuania	2689862	376089	13.9817209953522
13	Cyprus	896005	122709	13.6951244691715
14	United States	332915074	45218907	13.5827153924547
15	Estonia	1325188	175782	13.2646839542767
16	Luxembourg	634814	80331	12.6542577825946
17	United Kingdom	68207114	8630076	12.6527505620601

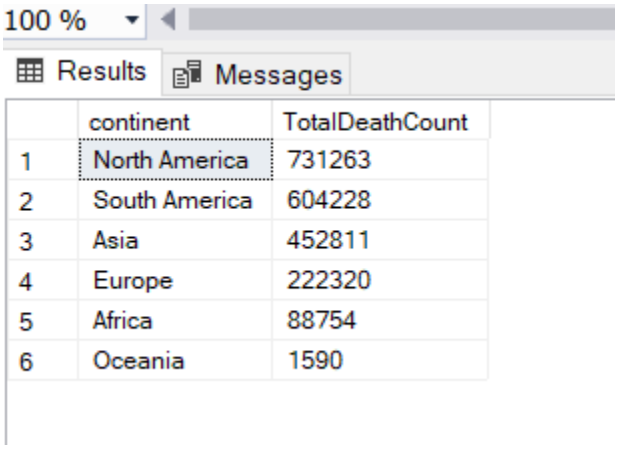
```sql
-- Countries with Highest Death Count per Population

Select Location, MAX(cast(Total_deaths as int)) as TotalDeathCount
From Project1..CovidDeaths
--Where location like '%states%'
Where continent is not null
Group by Location
order by TotalDeathCount desc
```

100 %

Results | Messages

	Location	TotalDeathCount
1	United States	731263
2	Brazil	604228
3	India	452811
4	Mexico	285347
5	Russia	222320
6	Peru	199945
7	Indonesia	143077
8	United Kingdom	139444
9	Italy	131688
10	Colombia	126931
11	Iran	124585
12	France	118300
13	Argentina	115770
14	Germany	94886
15	South Africa	88754
16	Spain	87082
17	Poland	76179

```sql
-- BREAKING THINGS DOWN BY CONTINENT

-- Showing contintents with the highest death count per population

Select continent, MAX(cast(Total_deaths as int)) as TotalDeathCount
From Project1..CovidDeaths
--Where location like '%states%'
Where continent is not null
Group by continent
order by TotalDeathCount desc
```



100 %

Results | Messages

	continent	TotalDeathCount
1	North America	731263
2	South America	604228
3	Asia	452811
4	Europe	222320
5	Africa	88754
6	Oceania	1590

```sql
-- GLOBAL NUMBERS
```

```sql
Select 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 Project1..CovidDeaths
Where continent is not null --AND
--location like '%India%'
Group By date
order by 1,2


-- Total Population vs Vaccinations
-- 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(CONVERT(int,vac.new_vaccinations)) OVER (Partition by dea.Location Order by
dea.location, dea.Date) as RollingPeopleVaccinated
--, (RollingPeopleVaccinated/population)*100
From Project1..CovidDeaths dea
Join Project1..CovidVaccination vac
       On dea.location = vac.location
       and dea.date = vac.date
where dea.continent is not null
order by 2,3
```

Results | Messages

	continent	location	date	population	new_vaccinations	RollingPeopleVaccinated
1	Asia	Afghanistan	2020-02-24 00:00:00.000	39835428	NULL	NULL
2	Asia	Afghanistan	2020-02-25 00:00:00.000	39835428	NULL	NULL
3	Asia	Afghanistan	2020-02-26 00:00:00.000	39835428	NULL	NULL
4	Asia	Afghanistan	2020-02-27 00:00:00.000	39835428	NULL	NULL
5	Asia	Afghanistan	2020-02-28 00:00:00.000	39835428	NULL	NULL
6	Asia	Afghanistan	2020-02-29 00:00:00.000	39835428	NULL	NULL
7	Asia	Afghanistan	2020-03-01 00:00:00.000	39835428	NULL	NULL
8	Asia	Afghanistan	2020-03-02 00:00:00.000	39835428	NULL	NULL
9	Asia	Afghanistan	2020-03-03 00:00:00.000	39835428	NULL	NULL
10	Asia	Afghanistan	2020-03-04 00:00:00.000	39835428	NULL	NULL
11	Asia	Afghanistan	2020-03-05 00:00:00.000	39835428	NULL	NULL
12	Asia	Afghanistan	2020-03-06 00:00:00.000	39835428	NULL	NULL
13	Asia	Afghanistan	2020-03-07 00:00:00.000	39835428	NULL	NULL
14	Asia	Afghanistan	2020-03-08 00:00:00.000	39835428	NULL	NULL
15	Asia	Afghanistan	2020-03-09 00:00:00.000	39835428	NULL	NULL
16	Asia	Afghanistan	2020-03-10 00:00:00.000	39835428	NULL	NULL
17	Asia	Afghanistan	2020-03-11 00:00:00.000	39835428	NULL	NULL