Task D.1

Total rows loaded: 161

	date	daily_vaccinations
1	2021/02/22	
2	2021/02/23	1367
3	2021/02/24	1367
4	2021/02/25	1367
5	2021/02/26	1367
6	2021/02/27	1367
7	2021/02/28	1367
8	2021/03/01	1580
9	2021/03/02	1794
10	2021/03/03	2008

Query:

```
SELECT date, daily_vaccinations
FROM CountryVaccinations
WHERE iso_code = (
                SELECT iso_code
                FROM Locations
                WHERE location = "Afghanistan"
              );
```

Task D.2

	Country	Total Vaccinations Administered
1	Afghanistan	1442250
2	Africa	75170892
3	Albania	1238036
4	Algeria	4146091
5	Andorra	82349
6	Angola	1680059
7	Anguilla	18193
8	Antigua and Barbuda	69518
9	Argentina	34430142
10	Armenia	171890

Query:

SELECT (
        SELECT location
        FROM Locations
        WHERE iso_code = CountryVaccinations.iso_code
)
 AS Country,MAX(NULLIF(total_vaccinations, "")) AS [Total Vaccinations Administered]
FROM CountryVaccinations
WHERE total_vaccinations NOT NULL
GROUP BY Country
ORDER BY Country ASC;

Task D.3

	Country	Vaccine
1	Afghanistan	Johnson&Johnson
2	Afghanistan	Oxford/AstraZeneca
3	Afghanistan	Pfizer/BioNTech
4	Afghanistan	Sinopharm/Beijing
5	Albania	Oxford/AstraZeneca
6	Albania	Pfizer/BioNTech
7	Albania	Sinovac
8	Albania	Sputnik V
9	Algeria	Oxford/AstraZeneca
10	Algeria	Sinopharm/Beijing

Query:

```
SELECT  (
            SELECT location
            FROM Locations
            WHERE iso_code = LocationVaccines.iso_code
        )
        AS Country,
        (
            SELECT name
            FROM Vaccines
            WHERE vaccine_id = LocationVaccines.vaccine_id
        )
        AS Vaccine
FROM LocationVaccines
ORDER BY Country ASC;
```

Task D.4

	Source Name	Total Vaccines Administered
1	Africa Centres for Disease Control and Prevention	701530
2	COVID-19 Malta Public Health Response Team	774250
3	COVID-19 Vaccine Information Platform	75674278
4	Cayman Islands Government	98419
5	Centers for Disease Control and Prevention	350627188
6	Costa Rican Social Security Fund	3424278
7	Department of Health via ABS-CBN Investigative and Research Group	23199187
8	Directorate General for Health via Data Science for Social Good	12722759
9	Directorate General of Health Services	14699590
10	Directorate of Health	477205

Query:
SELECT SourceName AS [Source Name], SUM(TOTAL) AS [Total Vaccines Administered]
FROM (
        SELECT CountryVaccinations.iso_code, MAX(NULLIF(CountryVaccinations.total_vaccinations, ""))
) AS Total,
                IFNULL(DataSource.source_name, "Unknown Source - Data Unavaliable") AS
SourceName,
                DataSource.source_website AS SourceWebsite
        FROM CountryVaccinations LEFT JOIN
        DataSource ON CountryVaccinations.iso_code = DataSource.iso_code
        GROUP BY CountryVaccinations.iso_code
)
GROUP BY SourceWebsite
ORDER BY SourceName ASC;

Task D.5

Grid view   Form view

Total rows loaded: 232

	date	Australia	United States	France	Israel
1	2021/08/07	4489605	166203176	NULL	5393230
2	2021/08/06	4372546	165918256	NULL	5392554
3	2021/08/05	4254352	165637566	33355956	5390738
4	2021/08/04	4139162	165334987	33118386	5387108
5	2021/08/03	4027658	165081416	32899388	5383879
6	2021/08/02	3930960	164919666	32644217	5380658
7	2021/08/01	3893539	164757423	32402833	5377506
8	2021/07/31	3832934	164446964	32352019	5374178
9	2021/07/30	3729786	164184080	32160436	5370721
10	2021/07/29	3624882	163868916	31842476	5360074

Query:

SELECT CountryDailyTotals.date,
       MAX(CASE WHEN CountryDailyTotals.iso_code = (

                SELECT iso_code
                FROM Locations
                WHERE location = 'Australia'

)
       THEN CountryDailyTotals.people_fully_vaccinated END) AS Australia,
       MAX(CASE WHEN CountryDailyTotals.iso_code = (

                SELECT iso_code
                FROM Locations
                WHERE location = 'United States'

)
       THEN CountryDailyTotals.people_fully_vaccinated END) AS [United States],
       MAX(CASE WHEN CountryDailyTotals.iso_code = (

                SELECT iso_code
                FROM Locations
                WHERE location = 'France'

```
                                                    )
            THEN CountryDailyTotals.people_fully_vaccinated END) AS France,
        MAX(CASE WHEN CountryDailyTotals.iso_code = (
                                                    SELECT iso_code
                                                    FROM Locations
                                                    WHERE location = 'Israel'
                                                    )
            THEN CountryDailyTotals.people_fully_vaccinated END) AS Israel
 FROM CountryDailyTotals
 GROUP BY CountryDailyTotals.date
 ORDER BY CountryDailyTotals.date DESC;
```