

Part D

--D.1—

A.

```
SELECT Countryname AS "Country Name",
Row_Number() OVER (PARTITION BY Countryname order by date)-1 AS "Administered
Vaccine on Day Number",
sum(people_vaccinated) OVER (PARTITION BY Countryname ORDER BY date) AS
"Total Injected People"
FROM vaccinations
ORDER BY countryname, date;
```

B.

Grid view		Form view	
	1		
Total rows loaded: 159889			
	Country Name	Administered Vaccine on Day Number	Total Injected People
1	Afghanistan	0	0
2	Afghanistan	1	0
3	Afghanistan	2	0
4	Afghanistan	3	0
5	Afghanistan	4	0
6	Afghanistan	5	0
7	Afghanistan	6	8200
8	Afghanistan	7	8200
9	Afghanistan	8	8200
10	Afghanistan	9	8200

C.

The number of observations for the above query is 159889 and cannot be visualized.

--D.2—

A.

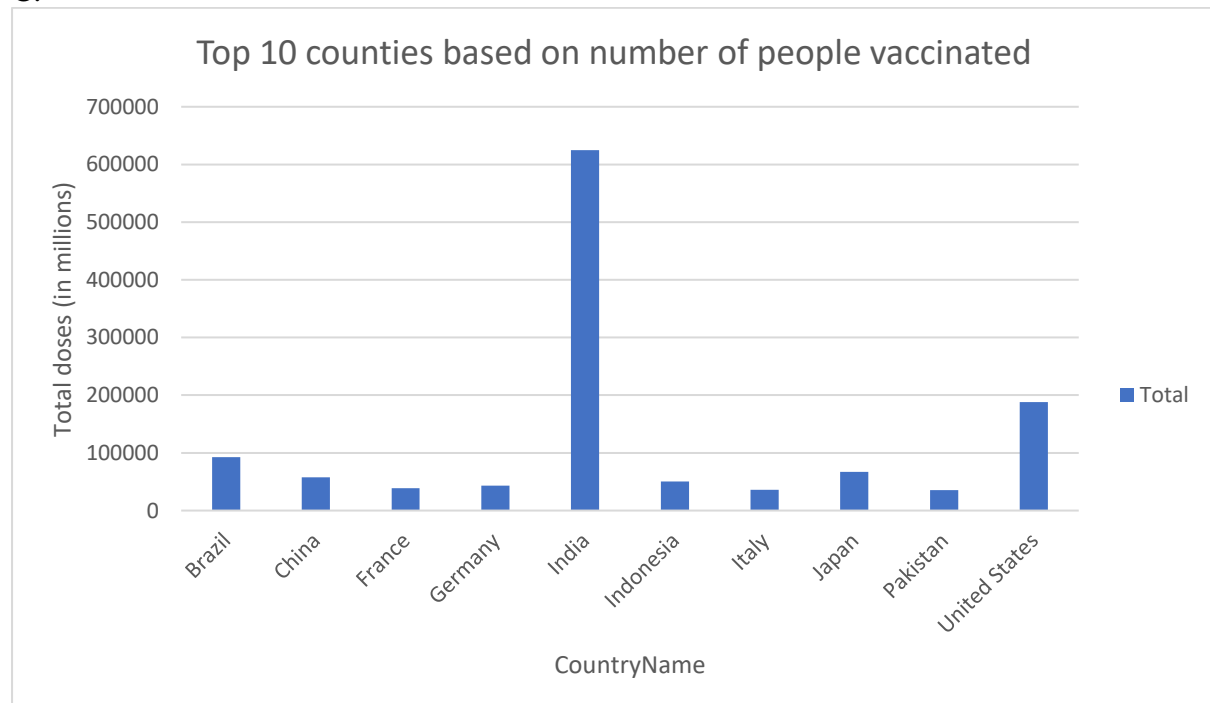
```
SELECT
CountryName AS "Country",
MAX("Total Injected People") AS "Cumulative Doses"
FROM (
SELECT
CountryName,
ROW_NUMBER() OVER (PARTITION BY CountryName ORDER BY date) - 1 AS
"Administered Vaccine on Day Number (DN)",
SUM(people_vaccinated) OVER (PARTITION BY CountryName ORDER BY date) AS
"Total Injected People"
FROM
Vaccinations)
```

GROUP BY
CountryName
ORDER BY
"Cumulative Doses" DESC;

B.

Grid view		Form view
<div> 1 </div>		Total rows loaded: 223
	Country	Cumulative Doses
1	India	624740654507
2	United States	187900546208
3	Brazil	92825000165
4	Japan	67246684250
5	China	57870980000
6	Indonesia	50283192224
7	Germany	43333809249
8	France	38489611694
9	Italy	36047984790
10	Pakistan	35565791143

C.



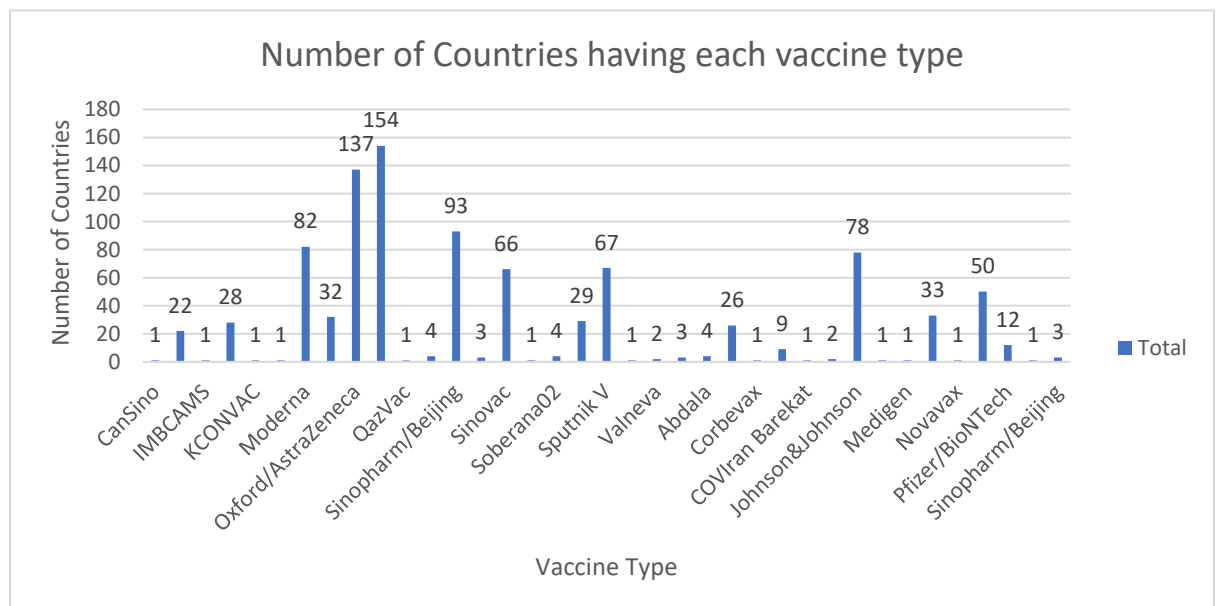
--D.3--

A. SELECT
vaccine AS "Vaccine Type",
CountryName AS "COUNTRY"
FROM
vaccination_available_per_country;

B.

Grid view		Form view
		Total rows loaded: 956
	Vaccine Type	COUNTRY
1	CanSino	Afghanistan
2	Covaxin	Afghanistan
3	Johnson&Johnson	Afghanistan
4	Moderna	Afghanistan
5	Oxford/AstraZeneca	Afghanistan
6	Pfizer/BioNTech	Afghanistan
7	Sinopharm/Beijing	Afghanistan
8	Sinovac	Afghanistan
9	Sputnik Light	Afghanistan
10	Sputnik V	Afghanistan

C.



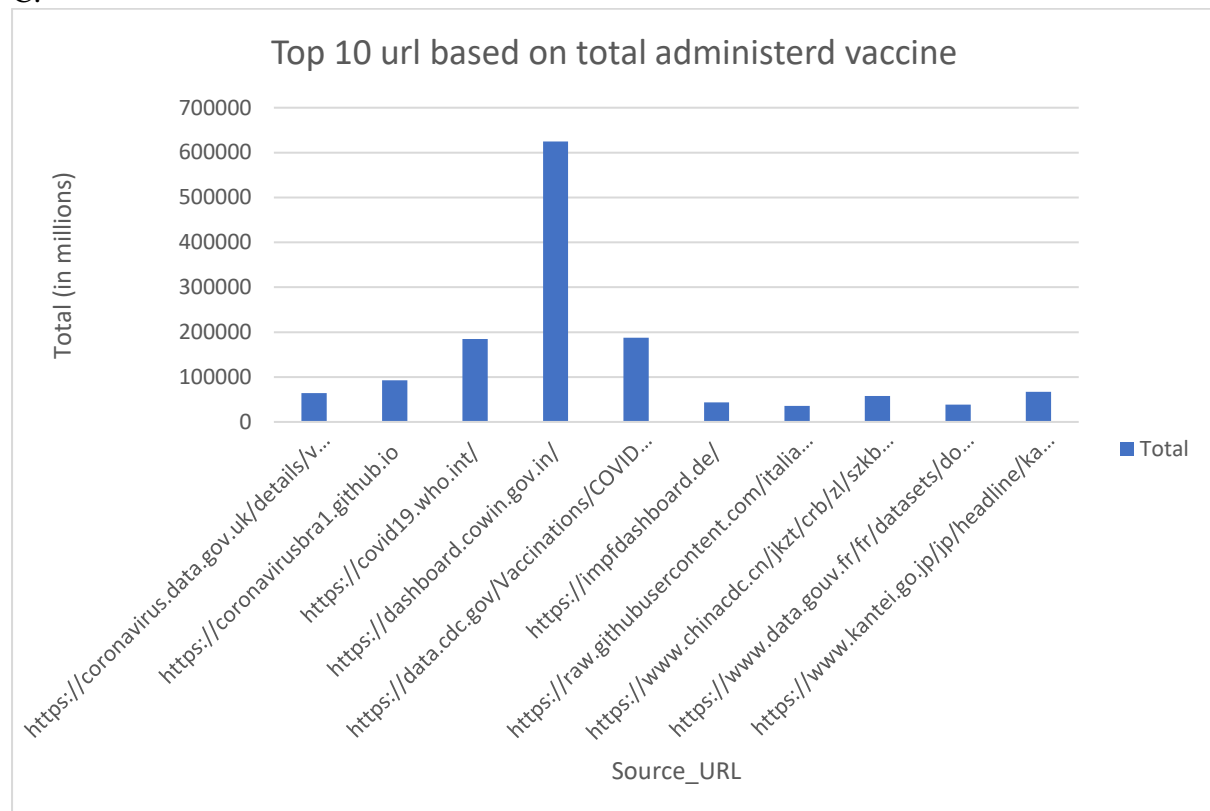
--D.4--

A. SELECT (location.source_url) AS "Source URL",
SUM(vaccinations.people_vaccinated) AS "Largest total Administered Vaccines"
FROM location
JOIN vaccinations ON location.CountryName = vaccinations.countryname
GROUP BY "Source URL"
ORDER BY "Source URL";

B.

Grid view Form view	
Total rows loaded: 82	
Source URL	Largest total Administered Vaccines
1 http://103.247.238.92/webportal/pages/covid19-vaccination-update.php	27798697559
2 https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	27922520522
3 https://asi.saglik.gov.ct.tr/	3431867
4 https://corona.fo/api	4403693
5 https://corona.nun.gl/en/	3498324
6 https://coronavirus.bg/bg/statistika	181367704
7 https://coronavirus.data.gov.uk/details/vaccinations	64176198766
8 https://coronavirusbra1.github.io	92825000165
9 https://covid-19.sledilnik.org/sl/stats	478219141
10 https://covid19.gob.sv/	529454799

C.



--D.5--

A.

```
SELECT
strftime('%Y-%m', SUBSTR(date, 7, 4) || '-' || SUBSTR(date, 4, 2) || '-' || SUBSTR(date, 1, 2))
AS Month,
SUM(CASE WHEN CountryName = 'Australia' THEN people_fully_vaccinated ELSE 0
END) AS Australia,
SUM(CASE WHEN CountryName = 'United States' THEN people_fully_vaccinated ELSE 0
END) AS "United States",
SUM(CASE WHEN CountryName = 'England' THEN people_fully_vaccinated ELSE 0
END) AS England,
SUM(CASE WHEN CountryName = 'New Zealand' THEN people_fully_vaccinated ELSE 0
END) AS "New Zealand"
FROM
vaccination_country_data
WHERE
SUBSTR(date, 7, 4) = '2022'
GROUP BY
Month
ORDER BY
Month;
```

B.

Grid view

Form view

1

Total rows loaded: 12

	Month	Australia	United States	England	New Zealand
1	2022-01	600502962	6600697602	1246928949	120739986
2	2022-02	570430688	6077229508	1146009774	110517552
3	2022-03	645791284	6795486776	1282044634	124001411
4	2022-04	642598975	6621916071	1250429999	122368763
5	2022-05	668866900	6884154907	1299404734	127058205
6	2022-06	324472584	6693229825	1262868503	123249281
7	2022-07	0	6942374319	1311970962	127734075
8	2022-08	0	6972177316	1319284226	127979755
9	2022-09	0	6774563616	1280243784	123950630
10	2022-10	0	7044514583	1325420342	128153131

C.

