

### D.1

-- The dates were spliced to allow for SQLite to recognise the Singapore's earliest administered vaccine date up till 30/06/2021.

SELECT location AS "Country", date AS "Observation Date", daily\_vaccinations AS "Administered Vaccine"

FROM vaccinations

WHERE location = "Singapore" AND

substr(date,7)||'-'||substr(date,4,2)||'-'||substr(date,1,2) BETWEEN









(SELECT min(date)

FROM vaccinations

WHERE location = "Singapore") AND

'2021-06-30'

;

Grid view		Form view	
		    1  	
		Total rows loaded: 126	
	Country	Observation Date	Administered Vaccine
1	Singapore	11/01/2021	
2	Singapore	12/01/2021	2800
3	Singapore	13/01/2021	4090
4	Singapore	14/01/2021	4520
5	Singapore	15/01/2021	4735
6	Singapore	16/01/2021	4864
7	Singapore	17/01/2021	4950
8	Singapore	18/01/2021	5011
9	Singapore	19/01/2021	5380
10	Singapore	20/01/2021	5380

## D.2

-- Cumulative doses for each country. This is done by summing up the daily vaccinations count for each country.

```
SELECT location AS "Country", SUM(daily_vaccinations) AS "Cumulative Doses"
```









```
FROM vaccinations
```

```
GROUP BY location
```

```
HAVING SUM(daily_vaccinations) AND
```

```
location IN (SELECT location FROM locations)
```

```
;
```

     <b>1</b>    Total rows loaded: 223		
	Country	Cumulative Doses
1	Afghanistan	2334715
2	Albania	1848889
3	Algeria	13143703
4	Andorra	100986
5	Angola	5669906
6	Anguilla	19128
7	Antigua and Barbuda	105916
8	Argentina	57340815
9	Armenia	653120
10	Aruba	136814









### D.3

-- The query produces a table of countries and the vaccine types given in those countries.

```
SELECT DISTINCT location AS "Country", vaccine AS "Vaccine Type"
```

```
FROM vaccinations_by_manufacturer
```

```
;
```

			     1    Total rows loaded: 150	
	Country	Vaccine Type		
1	Austria	Johnson&Johnson		
2	Austria	Moderna		
3	Austria	Oxford/AstraZeneca		
4	Austria	Pfizer/BioNTech		
5	Belgium	Johnson&Johnson		
6	Belgium	Moderna		
7	Belgium	Oxford/AstraZeneca		
8	Belgium	Pfizer/BioNTech		
9	Bulgaria	Pfizer/BioNTech		
10	Bulgaria	Moderna		

#### D.4

-- As some source names have different source URLs, the query is grouped by source name and source website to account for this.

```
SELECT l.source_name as "Source Name", SUM(v.daily_vaccinations) AS "Total Administered Vaccines", l.source_website AS "Source URL"
```

```
FROM locations l INNER JOIN vaccinations v ON l.location = v.location
```

```
GROUP BY source_name, source_website
```

```
HAVING SUM(v.daily_vaccinations)
```

```
ORDER BY "Total Administered Vaccines" DESC
```

;

Total rows loaded: 149			
	Source Name	Total Administered Vaccines	Source URL
1	National Health Commission	2239513783	<a href="http://www.nhc.gov.cn/jkj/s7915/202110/6302b23e07554c1d939e271f8dda70c4.shtml">http://www.nhc.gov.cn/jkj/s7915/202110/6302b23e07554c1d939e271f8dda70c4.shtml</a>
2	Government of India	1008719018	<a href="https://dashboard.cowin.gov.in/">https://dashboard.cowin.gov.in/</a>
3	Centers for Disease Control and Prevention	411762103	<a href="https://covid.cdc.gov/covid-data-tracker/COVIDData/getAjaxData?id=vaccination_data">https://covid.cdc.gov/covid-data-tracker/COVIDData/getAjaxData?id=vaccination_data</a>
4	Ministry of Health	262845671	<a href="https://qsprod.saude.gov.br/extensions/DEMAs_C19Vacina/DEMAs_C19Vacina.html">https://qsprod.saude.gov.br/extensions/DEMAs_C19Vacina/DEMAs_C19Vacina.html</a>
5	Government of the United Kingdom	186077797	<a href="https://coronavirus.data.gov.uk/details/vaccinations">https://coronavirus.data.gov.uk/details/vaccinations</a>
6	Prime Minister's Office	183951819	<a href="https://www.kantei.go.jp/jp/headline/kansensho/vaccine.html">https://www.kantei.go.jp/jp/headline/kansensho/vaccine.html</a>
7	Ministry of Health	177596886	<a href="https://vaksin.kemkes.go.id/#/vaccines">https://vaksin.kemkes.go.id/#/vaccines</a>
8	World Health Organization	159768755	<a href="https://covid19.who.int/">https://covid19.who.int/</a>
9	COVID-19 Vaccine Information Platform	115705376	<a href="https://covid19asi.saglik.gov.tr/">https://covid19asi.saglik.gov.tr/</a>
10	Secretary of Health	113569264	<a href="http://www.gob.mx/cms/uploads/attachment/file/676434/2021.10.24_17h00_ComunicadoTecnicoDiario_Covid1">http://www.gob.mx/cms/uploads/attachment/file/676434/2021.10.24_17h00_ComunicadoTecnicoDiario_Covid1</a>

## D.5

-- Joining the tables on dates in common. The beginning and ending dates recorded are different for those 4 countries.









```
SELECT date as "Date", a.people_fully_vaccinated AS "Australia", us.people_fully_vaccinated AS  
"United States", f.people_fully_vaccinated AS "France", i.people_fully_vaccinated AS "Israel"
```

```
FROM australia a INNER JOIN united_states us ON a.date = us.date
```

```
INNER JOIN france f ON us.date = f.date
```

```
INNER JOIN israel i ON f.date = i.date
```

;

<div><div><div>1</div></div><div>Total rows loaded: 234</div></div>						
	Date	Australia	United States	France	Israel	
1	14/02/2021	0	14077440	646339	2560637	
2	16/02/2021	0	15015434	823380	2714368	
3	17/02/2021	0	15471536	926272	2789852	
4	18/02/2021	0	16162358	1044671	2869468	
5	19/02/2021	0	17039118	1135337	2907522	
6	20/02/2021	0	17895667	1163728	2936200	
7	21/02/2021	0	18865319	1170096	3014536	
8	22/02/2021	0	19438495	1243167	3095013	
9	23/02/2021	0	19882544	1327150	3165349	
10	24/02/2021	0	20607261	1408195	3228320	