The output of the task is listed below:

Task 1:

vaccinations.db - Query

```
SELECT
    '2021-06-20' AS "Date 1 (OD1)",
    C1.Country_Name AS "Country Name (CN)",
    C1.Total_Vaccination AS "Vaccine on OD1 (VOD1)",
    '2021-12-26' AS "Date 2 (OD2)",
```
Use Shift + Up/Down to navigate recently-executed queries

Results (183)

Date 1 (OD1)	Country Name (CN)	Vaccine on OD1 (VOD1)	Date 2 (OD2)	Vaccine on OD2 (VOD2)	Date 3 (OD3)	Vaccine on OD3 (VOD3)	Percentage change of totals
2021-06-20	Vietnam	2422643	2021-12-26	146335052	2022-03-03		6040.31
2021-06-20	Tajikistan	132075	2021-12-26	6605225	2022-03-03		5001.12
2021-06-20	Armenia	64293	2021-12-26	1626738	2022-03-03		2530.19
2021-06-20	Taiwan	1541732	2021-12-26	34352780	2022-03-03	47610594	2089.6
2021-06-20	Guatemala	813278	2021-12-26	11145170	2022-03-03		1370.4
2021-06-20	Ukraine	2086492	2021-12-26	28009499	2022-03-03		1342.42
2021-06-20	Philippines	8407342	2021-12-26	105412678	2022-03-03		1253.82
2021-06-20	Thailand	7679057	2021-12-26	103367460	2022-03-03	124386717	1225.76
2021-06-20	Somalia	163978	2021-12-26	1504914	2022-03-03		917.75
2021-06-20	Sri Lanka	3261432	2021-12-26	33178074	2022-03-03	38353698	901.69
2021-06-20	Malaysia	5931849	2021-12-26	56969794	2022-03-03	67678467	841.61
2021-06-20	Oman	859000	2021-12-26	6118018	2022-03-03		712.23
2021-06-20	New Zealand	982565	2021-12-26	8110984	2022-03-03	10691022	693.68

Task 2:

vaccinations.db - Query

```
SELECT
    Current.Country_Name,
    Current.Month,
    Current.Year,
    ((Current.Total_Vaccination - Previous.Total_Vaccination) / Previous.Total_Vaccination * 100) AS "Growth rate of vaccine (GR)",
```
Use Shift + Up/Down to navigate recently-executed queries

Results (1–1000 of 4783)

Country_Name	Month	Year	Growth rate of vaccine (GR)	Difference of growth rate to global average
Afghanistan	3	2021	558.5365853658536	-1060.8842162721464
Afghanistan	4	2021	566.6666666666667	-1052.7541349713333
Afghanistan	5	2021	847.1108333333334	-772.3099683046667
Afghanistan	6	2021	48.062308793497415	-1571.3584928445027
Afghanistan	7	2021	20.86600502225389	-1598.5547966157462
Afghanistan	8	2021	-47.86814070009158	-1667.2889423380916
Afghanistan	9	2021	-25.50546411152937	-1644.9262657495294
Afghanistan	10	2021	-100.0	-1719.420801638

Task 3:

vaccinations.db - Query

```
SELECT
    v.Vaccine_Name AS "Vaccine Type",
    c.Country_Name AS "Country",
    ROUND((CAST(SUM(v.People_Vaccinated) AS REAL) / CAST((
        SELECT SUM(People_Vaccinated)
```
Use Shift + Up/Down to navigate recently-executed queries

Results (538)

Vaccine Type	Country	Percentage of vaccine type
CanSino	Andorra	42.26
CanSino	Algeria	20.69
CanSino	Belarus	14.25
CanSino	Albania	13.14
CanSino	Angola	5.01
CanSino	Belgium	3.76
CanSino	Antigua and Barbuda	0.56
CanSino	Afghanistan	0.34
CanSino	Armenia	0.0
Covaxin	India	11.18
Covaxin	Ireland	9.41
Covaxin	Indonesia	9.02
Covaxin	Iran	8.84
Covaxin	Israel	7.51
Covaxin	Honduras	7.24
Covaxin	Haiti	7.05
Covaxin	Hungary	6.08
Covaxin	Iraq	5.8

Task 4:

	new_table_name	Create

```
SELECT
    c.Country_Name,
    c.Year || '-' || c.Month AS "Month",
    s.Source_Url AS "Source Name (URL)",
    SUM(c.Total_Vaccination) AS "Total Administered Vaccines"
```
Use Shift + Up/Down to navigate recently-executed queries

[Execute] [Export JSON] [Export CSV] [SQL Help ▾]

Bookmarks ▾

Results (187)

Country_Name	Month	Source Name (URL)	Total Administered Vaccines
Afghanistan	2021-2	https://data.who.int/dashboards/covid19/	0
Albania	2021-1	https://data.who.int/dashboards/covid19/	0
Algeria	2021-1	https://data.who.int/dashboards/covid19/	0
Andorra	2021-1	https://data.who.int/dashboards/covid19/	576
Angola	2021-3	https://data.who.int/dashboards/covid19/	0
Antigua and Barbuda	2021-2	https://covid19.who.int/	0
Argentina	2020-12	https://covidstats.com.ar/	20495
Armenia	2021-3	https://data.who.int/dashboards/covid19/	565
Australia	2021-2	https://data.who.int/dashboards/covid19/	20
Austria	2021-1	https://www.ecdc.europa.eu/en/publications-data/da ...	31790
Azerbaijan	2021-1	https://koronavirusinfo.az	0
Bahamas	2021-3	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion. ...	0
Bahrain	2020-12	https://data.who.int/dashboards/covid19/	38965
Bangladesh	2021-1	http://103.247.238.92/webportal/pages/covid19-vacc ...	0
Barbados	2021-2	https://data.who.int/dashboards/covid19/	4490
Belarus	2020-12	https://data.who.int/dashboards/covid19/	0
Belgium	2020-12	https://epistat.wiv-isp.be/covid/	335

Task 5:

SQLiteStudio (3.4.4) - [SQL editor 1]

Database   Structure   View   Tools   Help

vaccinations   ▾

Query   History

```
100
101  --task D.5--
102
103
104  SELECT
105      Year || '-' || Month || '-' || Day AS Date,
106      (SELECT People_Fully_Vaccinated FROM Country WHERE Country_Name = 'United States' AND Day = c.Day AND Month = c.Month AND Year = c.Year) AS "United States",
107      (SELECT People_Fully_Vaccinated FROM Country WHERE Country_Name = 'China' AND Day = c.Day AND Month = c.Month AND Year = c.Year) AS "China",
108      (SELECT People_Fully_Vaccinated FROM Country WHERE Country_Name = 'Ireland' AND Day = c.Day AND Month = c.Month AND Year = c.Year) AS "Ireland",
109      (SELECT People_Fully_Vaccinated FROM Country WHERE Country_Name = 'India' AND Day = c.Day AND Month = c.Month AND Year = c.Year) AS "India"
110  FROM
111      Country c
112  WHERE
113      Country_Name = 'United States'
114      AND Year IN (2022, 2023)
115  ORDER BY
116      Year, Month, Day;
117
118
119
120
121
122
123
```

Grid view   Form view

Total rows loaded: 494

	Date	United States	China	Ireland	India
1	2022-1-1	210378438		3884686	607094031
2	2022-1-2	210470142		3885317	608920928
3	2022-1-3	210670531		3886050	611955199
4	2022-1-4	210887459		3886846	614541749