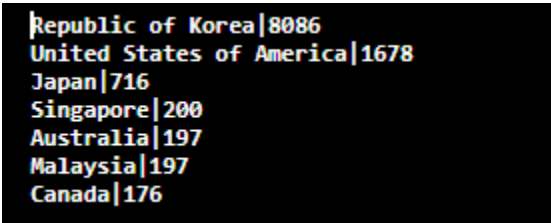


```
1. select country, cases
from corona
where cases>100
union all
select country,cases
from corona1
where cases>100
order by cases desc;
```

output:



```
Republic of Korea|8086
United States of America|1678
Japan|716
Singapore|200
Australia|197
Malaysia|197
Canada|176
```

By an increased number of records, for mid-March from WHO API we can see that the number of countries with cases above 1000 show more countries as the two tables are represented by data from two different regions.

Json dataframe table format table 1

```
[{"name": "Republic of Korea", "cases": 8086, "newCases": 107, "deaths": 72, "newDeaths": 6, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Western Pacific Region", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Australia", "cases": 197, "newCases": 57, "deaths": 3, "newDeaths": 0, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Western Pacific Region", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Japan", "cases": 716, "newCases": 41, "deaths": 21, "newDeaths": 2, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Western Pacific Region", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Singapore", "cases": 200, "newCases": 13, "deaths": 0, "newDeaths": 0, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Western Pacific Region", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}]
```

Json dataframe table 2

```
[{"name": "Canada", "cases": 176, "newCases": 38, "deaths": 1, "newDeaths": 0, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Region of the Americas", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "United States of America", "cases": 1678, "newCases": 414, "deaths": 41, "newDeaths": 5, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Region of the Americas", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Panama", "cases": 27, "newCases": 13, "deaths": 1, "newDeaths": 0, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Region of the Americas", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Peru", "cases": 28, "newCases": 6, "deaths": 0, "newDeaths": 0, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Region of the Americas", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Jamaica", "cases": 7, "newCases": 6, "deaths": 0, "newDeaths": 0, "transmissionType": 2, "daysSinceLastCase": 0, "region": "Region of the Americas", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z", "reportNumber": 54}, {"name": "Argentina", "cases": 34, "newCases": 3, "deaths": 2, "newDeaths": 1, "transmissionType": 1, "daysSinceLastCase": 0, "region": "Region of the Americas", "territory": false, "reportDate": "2020-03-14T00:00:00.000Z"}]
```

After first query before where clause, 5 sample rows

Table 1

Country,Cases

Republic of Korea,8086

Australia,197

Japan,716

Singapore,200

Philippines,64

After second query of table 2 before where clause, 5 sample rows

Country,Cases

Canada,176

United States of America,1678

Panama,27

Peru,28

Jamaica,7

2.

Table1(first five)

Country,Cases,New Cases,Deaths

Republic of Korea,8086,107,72

Australia,197,57,3

Japan,716,41,21

Singapore,200,13,0

Canada,176,38,2

Table2(first five)

Country,Cases,New Cases

Canada,176,38,

United States of America,1678,414

Panama,27,13

Peru,28,6

Jamaica,7,6

```

SELECT Country, cases, newCases
From Table1, Table2
Where Table1.name=Table2.name
AND cases>100
AND newCases>10;

```

Result(first 5)

Hong Kong SAR,1900,67

Canada,176,38

United Kingdom, 1009,79

Egypt, 108,56

Brazil, 102, 45

It is a better way of filtering the attributes because it allows for greater precision when querying from two different tables. The query is thus optimized by the use of two different tables.

3,4,5.

11.	<table> <tr> <th>T₁</th><th>T₂</th></tr> <tr> <td>Event</td><td>NULL</td></tr> <tr> <td>Date/Time</td><td>Date</td></tr> <tr> <td>Venue/City</td><td>Venue Name, State, City</td></tr> <tr> <td>NULL</td><td>Avg Price</td></tr> </table>	T ₁	T ₂	Event	NULL	Date/Time	Date	Venue/City	Venue Name, State, City	NULL	Avg Price										
T ₁	T ₂																				
Event	NULL																				
Date/Time	Date																				
Venue/City	Venue Name, State, City																				
NULL	Avg Price																				
13.	<table> <tr> <th>T₁</th><th>T₂</th></tr> <tr> <td>Name</td><td>NULL</td></tr> <tr> <td>email</td><td>NULL</td></tr> <tr> <td>Department/Campus</td><td>EMPLOYER</td></tr> <tr> <td>Job Title</td><td>Job Title</td></tr> <tr> <td>Phone</td><td>NULL</td></tr> <tr> <td>NULL</td><td>CLASS</td></tr> <tr> <td>NULL</td><td>STATE</td></tr> </table>	T ₁	T ₂	Name	NULL	email	NULL	Department/Campus	EMPLOYER	Job Title	Job Title	Phone	NULL	NULL	CLASS	NULL	STATE				
T ₁	T ₂																				
Name	NULL																				
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15.	<table> <tr> <th>T₁</th><th>T₂</th></tr> <tr> <td>Job Id</td><td>NULL</td></tr> <tr> <td>Job Title</td><td>Job Title</td></tr> <tr> <td>Location</td><td>NULL</td></tr> <tr> <td>SALARY</td><td>NULL</td></tr> <tr> <td>HOURS</td><td>NULL</td></tr> <tr> <td>EXPERIENCE</td><td>NULL</td></tr> <tr> <td>DATE POSTED</td><td>NULL</td></tr> <tr> <td>NULL</td><td>ORGANIZATIONAL CODE</td></tr> <tr> <td>NULL</td><td>NAME</td></tr> </table>	T ₁	T ₂	Job Id	NULL	Job Title	Job Title	Location	NULL	SALARY	NULL	HOURS	NULL	EXPERIENCE	NULL	DATE POSTED	NULL	NULL	ORGANIZATIONAL CODE	NULL	NAME
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