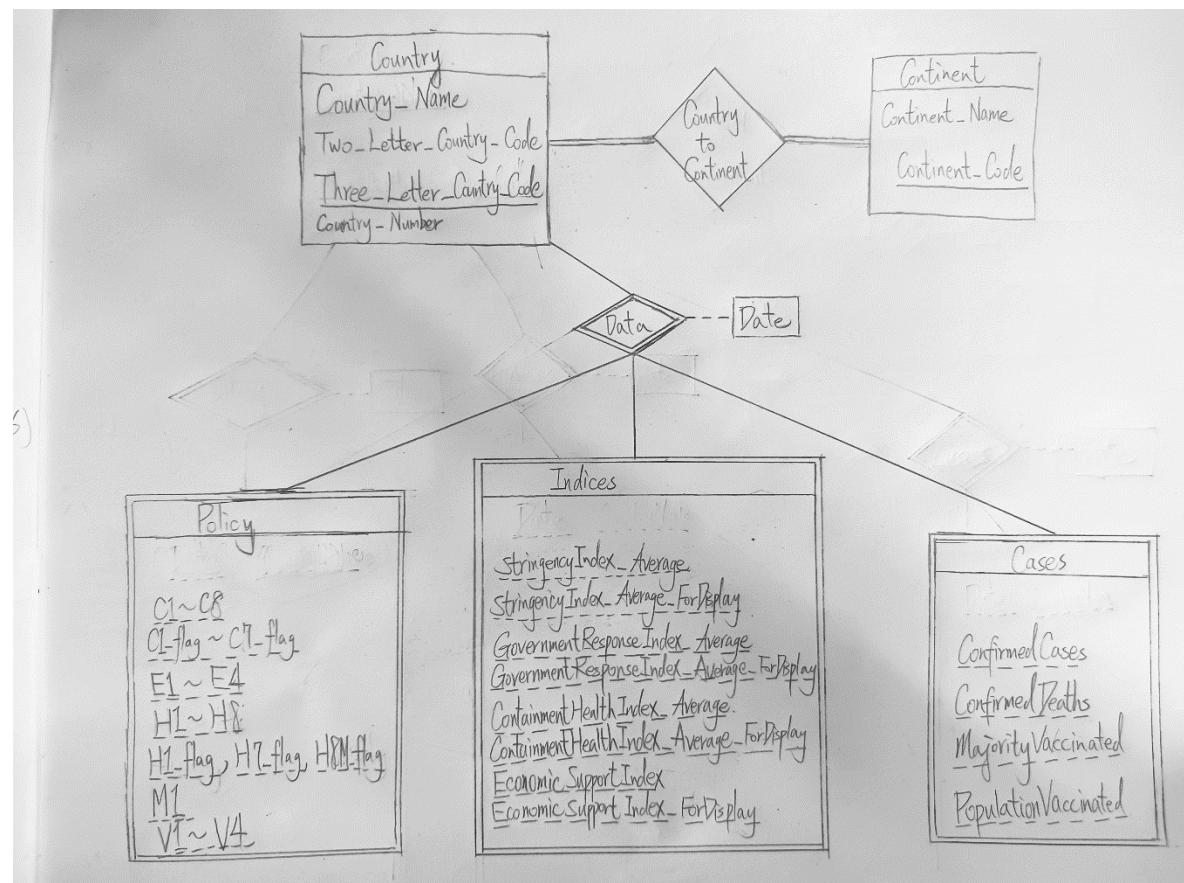


# 1. ER diagram with entity sets and relationship sets, with or without attributes. Add constraints if needed.

I remove the columns, "RegionName", "RegionCode", and "Jurisdiction," in "OxCGRT\_nat\_latest.csv." Because "RegionName" and "RegionCode" are all null in the data, and "Jurisdiction" are all NAT\_TOTAL in the data. In "country-and-continent-codes-list-csv.csv," I use "Three\_Letter\_Country\_Code" to be the primary key, but some countries' "Three\_Letter\_Country\_Code" are null; thus, I replace them with their "Two\_Letter\_Country\_Code." Moreover, I add the country, Kosovo, in the csv file manually, for Kosovo isn't in "country-and-continent-codes-list-csv.csv."



**2. Provide print screens of the 1) AWS RDS lunch page, and 2) the way you connect to the AWS RDS.**

database-1

Modify

Summary

DB identifier database-1	CPU <div><div></div></div> 7.68%	Status Available	Class db.t3.micro
Role Instance	Current activity <div><div></div></div> 0.00 sessions	Engine PostgreSQL	Region & AZ us-east-1b

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

<div>Endpoint &amp; port</div> <div>Endpoint database-1.ckfb6k5uf2tr.us-east-1.rds.amazonaws.com</div> <div>Port 5432</div>	<div>Networking</div> <div>Availability Zone us-east-1b</div> <div>VPC vpc-0d4876a154ecb0187</div>	<div>Security</div> <div>VPC security groups dbhw1 (sg-06d0c7bff35ed0651) Active</div> <div>Publicly accessible Yes</div>
---	--	---

DB HW2

↗

✕

General

Connection

SSL

SSH Tunnel

Advanced

Host name/address

database-1.ckfb6k5uf2tr.us-east-1.rds.amazonaws.com

Port

5432

Maintenance database

postgres

Username

postgres

Kerberos authentication?

☐

Role

Service

?

?

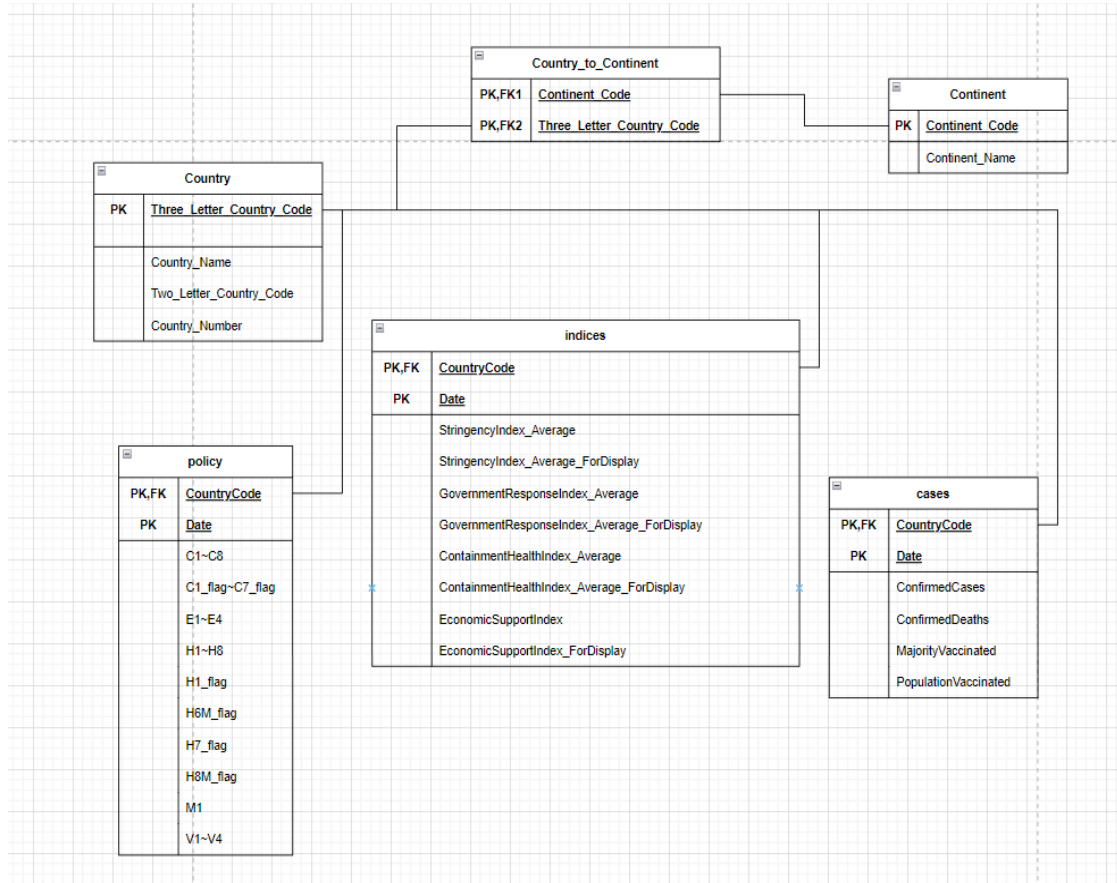
✕ Close

↺ Reset

💾 Save

### 3. Please provide the schema after decomposition, of each table, and a print screen to show that the tables have been created in your database on AWS RDS.

Schema



Continent

```

1  -- Table: public.continent
2
3  -- DROP TABLE IF EXISTS public.continent;
4
5  CREATE TABLE IF NOT EXISTS public.continent
6  (
7      continent_name character varying(100) COLLATE pg_catalog."default",
8      continent_code character varying(10) COLLATE pg_catalog."default" NOT NULL,
9      CONSTRAINT continent_pkey PRIMARY KEY (continent_code)
10 )
11
12 TABLESPACE pg_default;
13
14 ALTER TABLE IF EXISTS public.continent
15     OWNER to postgres;
  
```

Country

```

1  -- Table: public.country
2
3  -- DROP TABLE IF EXISTS public.country;
4
5  CREATE TABLE IF NOT EXISTS public.country
6  (
7      country_name character varying(100) COLLATE pg_catalog."default" NOT NULL,
8      two_letter_country_code character varying(5) COLLATE pg_catalog."default",
9      three_letter_country_code character varying(5) COLLATE pg_catalog."default" NOT NULL,
10     country_number integer,
11     CONSTRAINT country_pkey PRIMARY KEY (three_letter_country_code)
12 )
13
14 TABLESPACE pg_default;
15
16 ALTER TABLE IF EXISTS public.country
17     OWNER to postgres;

```

## Country\_to\_continent

Query Query History

```

1  -- Table: public.country_to_continent
2
3  -- DROP TABLE IF EXISTS public.country_to_continent;
4
5  CREATE TABLE IF NOT EXISTS public.country_to_continent
6  (
7      continent_code character varying(5) COLLATE pg_catalog."default" NOT NULL,
8      three_letter_country_code character varying(100) COLLATE pg_catalog."default" NOT NULL,
9      CONSTRAINT country_to_continent_pk PRIMARY KEY (continent_code, three_letter_country_code),
10     CONSTRAINT country_to_continent_fkey_1 FOREIGN KEY (continent_code)
11         REFERENCES public.continent (continent_code) MATCH SIMPLE
12         ON UPDATE NO ACTION
13         ON DELETE NO ACTION
14         NOT VALID,
15     CONSTRAINT country_to_continent_fkey_2 FOREIGN KEY (three_letter_country_code)
16         REFERENCES public.country (three_letter_country_code) MATCH SIMPLE
17         ON UPDATE NO ACTION
18         ON DELETE NO ACTION
19         NOT VALID
20 )
21
22 TABLESPACE pg_default;
23
24 ALTER TABLE IF EXISTS public.country_to_continent
25     OWNER to postgres;

```

## Policy

Query Query History

```

1  -- Table: public.policy
2
3  -- DROP TABLE IF EXISTS public.policy;
4
5  CREATE TABLE IF NOT EXISTS public.policy
6  (
7      "CountryCode" character varying(5) COLLATE pg_catalog."default" NOT NULL,
8      "Date" date NOT NULL,
9      "C1M_School closing" integer,
10     "C1M_Flag" integer,
11     "C2M_Workplace closing" integer,
12     "C2M_Flag" integer,
13     "C3M_Cancel public events" integer,
14     "C3M_Flag" integer,
15     "C4M_Restrictions on gatherings" integer,
16     "C4M_Flag" integer,
17     "C5M_Close public transport" integer,
18     "C5M_Flag" integer,
19     "C6M_Stay at home requirements" integer,
20     "C6M_Flag" integer,
21     "C7M_Restrictions on internal movement" integer,
22     "C7M_Flag" integer,
23     "C8EV_International travel controls" integer,
24     "E1_Income support" integer,
25     "E1_Flag" integer,
26     "E2_Debt/contract relief" integer,
27     "E3_Fiscal measures" double precision,
28     "E4_International support" numeric,
29     "H1_Public information campaigns" integer,
30     "H1_Flag" integer,

```

```

31     "H2_Testing policy" integer,
32     "H3_Contact tracing" integer,
33     "H4_Emergency investment in healthcare" double precision,
34     "H5_Investment in vaccines" double precision,
35     "H6M_Facial Coverings" integer,
36     "H6M_Flag" integer,
37     "H7_Vaccination policy" integer,
38     "H7_Flag" integer,
39     "H8M_Protection of elderly people" integer,
40     "H8M_Flag" integer,
41     "M1_Wildcard" integer,
42     "V1_Vaccine Prioritisation (summary)" integer,
43     "V2A_Vaccine Availability (summary)" integer,
44     "V2B_Vaccine age eligibility/availability age floor (general pop" character varying(50) COLLATE pg_catalog."default",
45     "V2C_Vaccine age eligibility/availability age floor (at risk sum" character varying(50) COLLATE pg_catalog."default",
46     "V2D_Medically/ clinically vulnerable (Non-elderly)" integer,
47     "V2E_Education" integer,
48     "V2F_Frontline workers (non healthcare)" integer,
49     "V2G_Frontline workers (healthcare)" integer,
50     "V3_Vaccine Financial Support (summary)" integer,
51     "V4_Mandatory Vaccination (summary)" integer,
52     CONSTRAINT policy_pkey PRIMARY KEY ("CountryCode", "Date"),
53     CONSTRAINT policy_fkey FOREIGN KEY ("CountryCode")
54         REFERENCES public.country (three_letter_country_code) MATCH SIMPLE
55         ON UPDATE NO ACTION
56         ON DELETE NO ACTION
57         NOT VALID
58 )
59
60 TABLESPACE pg_default;

```

```

61
62 ALTER TABLE IF EXISTS public.policy
63     OWNER to postgres;

```

## Indices

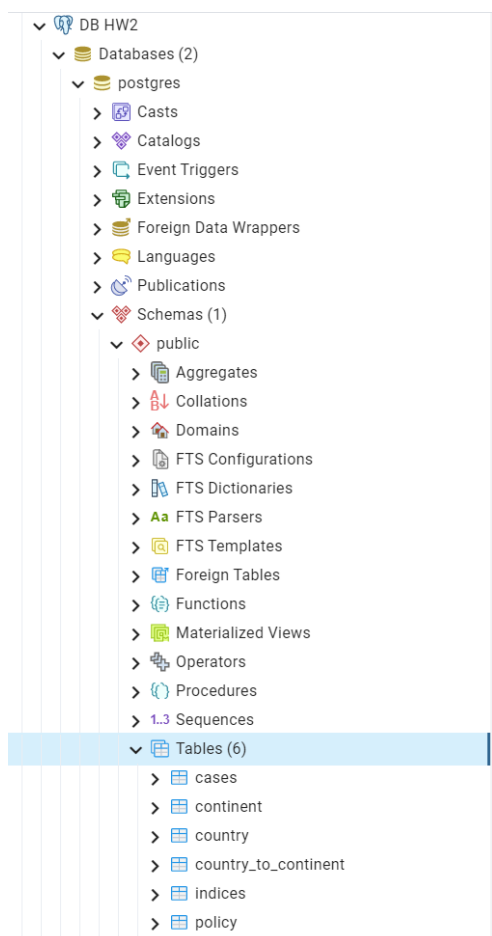
Query	Query History
1	-- Table: public.indices
2	
3	-- DROP TABLE IF EXISTS public.indices;
4	
5	CREATE TABLE IF NOT EXISTS public.indices
6	(
7	"CountryCode" character varying(5) COLLATE pg_catalog."default" NOT NULL,
8	"Date" date NOT NULL,
9	"StringencyIndex_Average" double precision,
10	"StringencyIndex_Average_ForDisplay" double precision,
11	"GovernmentResponseIndex_Average" double precision,
12	"GovernmentResponseIndex_Average_ForDisplay" double precision,
13	"ContainmentHealthIndex_Average" double precision,
14	"ContainmentHealthIndex_Average_ForDisplay" double precision,
15	"EconomicSupportIndex" double precision,
16	"EconomicSupportIndex_ForDisplay" double precision,
17	CONSTRAINT indices_pkey PRIMARY KEY ("CountryCode", "Date"),
18	CONSTRAINT indices_fkey FOREIGN KEY ("CountryCode")
19	REFERENCES public.country (three_letter_country_code) MATCH SIMPLE
20	ON UPDATE NO ACTION
21	ON DELETE NO ACTION
22	NOT VALID
23	)
24	
25	TABLESPACE pg_default;
26	
27	ALTER TABLE IF EXISTS public.indices
28	OWNER to postgres;

## Cases

## Query Query History

```
1  |-- Table: public.cases
2
3  -- DROP TABLE IF EXISTS public.cases;
4
5  CREATE TABLE IF NOT EXISTS public.cases
6  (
7      "CountryCode" character varying(5) COLLATE pg_catalog."default" NOT NULL,
8      "Date" date NOT NULL,
9      "ConfirmedCases" integer,
10     "ConfirmedDeaths" integer,
11     "MajorityVaccinated" character varying(10) COLLATE pg_catalog."default",
12     "PopulationVaccinated" double precision,
13     CONSTRAINT cases_pkey PRIMARY KEY ("CountryCode", "Date"),
14     CONSTRAINT cases_fkey FOREIGN KEY ("CountryCode")
15         REFERENCES public.country (three_letter_country_code) MATCH SIMPLE
16         ON UPDATE NO ACTION
17         ON DELETE NO ACTION
18         NOT VALID
19 )
20
21 TABLESPACE pg_default;
22
23 ALTER TABLE IF EXISTS public.cases
24     OWNER to postgres;
```

## Created Tables



**4. Clearly indicate the level of normal form, test the level of normal form for each table.**

Country(*Three\_Letter\_Country\_Code*, *Country\_Name*,  
*Two\_Letter\_Country\_Code*, *Country\_Number*)

Normal Form : BCNF

Test :

The primary key of this table is *Three\_Letter\_Country\_Code*.

- I. { *Three\_Letter\_Country\_Code* } is super key.
- II. { *Three\_Letter\_Country\_Code* } isn't included in { *Country\_Name*, *Two\_Letter\_Country\_Code*, *Country\_Number* }.

Continent(*Continent\_Code*, *Continent\_Name*)

Normal Form : BCNF

Test :

The primary key of this table is *Continent\_Code*.

- I. Both { *Continent\_Code* } and { *Continent\_Name* } are superkeys.

Country\_to\_Continent(*Continent\_Code*, *Three\_Letter\_Country\_Code*)

Normal Form : BCNF

Test :

The primary key of this table is { *Continent\_Code*,  
*Three\_Letter\_Country\_Code* }

- I. The table only contains primary key, so it corresponds to BCNF.

Policy(*CountryCode*, *Date*, *C1\_School closing*, *C1\_flag*, ...)

Normal Form : BCNF

Test :

The primary key of this table is { *CountryCode*, *Date* }.

- I. { *CountryCode*, *Date* } is super key.
- II. { *CountryCode*, *Date* } isn't include in { *C1\_School closing*, *C1\_flag*, ... }.
- III. { *CountryCode* } and { *Date* } both don't have functional dependency with the other attributes.

Indices(*CountryCode*, *Date*, *StringencyIndex\_Average*, ..., *EconomicSupportIndex\_ForDisplay*)

Normal Form : BCNF

Test :

The primary key is { *CountryCode*, *Date* }.

- I. { *CountryCode*, *Date* } is super key.
- II. { *CountryCode*, *Date* } isn't include in { *StringencyIndex\_Average*, ..., *EconomicSupportIndex\_ForDisplay* }.
- III. { *CountryCode* } and { *Date* } both don't have functional dependency with the other attributes.

Cases(*CountryCode*, *Date*, *ConfirmedCases*, ..., *PopulationVaccinated*)

Normal Form : BCNF

Test :

The primary key is { *CountryCode*, *Date* }

- I. { *CountryCode*, *Date* } is super key.
- II. { *CountryCode*, *Date* } isn't include in { *ConfirmedCases*, ..., *PopulationVaccinated* }.
- III. { *CountryCode* } and { *Date* } both don't have functional dependency with the other attributes.

## 5. List the functional dependency of each table.

Country

- *Three\_Letter\_Country\_Code* → { *Country\_Name*, *Two\_Letter\_Country\_Code*, *Country\_Number* }
- { *Country\_Name*, *Two\_Letter\_Country\_Code*, *Country\_Number* } → *Three\_Letter\_Country\_Code*

Continent

- *Continent\_Code* → *Continent\_Name*
- *Continent\_Name* → *Continent\_Code*

Country\_to\_Continent

- No functional dependency, because the table only contains primary key.

Policy



- $\{CountryCode, Date\} \rightarrow \{CI\_School\ closing, CI\_flag, \dots\}$

## Indices

- $\{CountryCode, Date\} \rightarrow \{StringencyIndex\_Average, \dots, EconomicSupportIndex\_ForDisplay\}$

## Cases

- $\{CountryCode, Date\} \rightarrow \{ConfirmedCases, \dots, PopulationVaccinated\}$

## 6. The SQL statements (in .sql file) and output results of 4a

```

1 with "06_01"("Continent Name", "Country Name", "Date", "StringencyIndex_Average_ForDisplay")
2 as(
3   select continent.continent_name, country.country_name, indices."Date", indices."StringencyIndex_Average_ForDisplay"
4   from continent left join country_to_continent left join country left join indices
5   on country.three_letter_country_code=indices."CountryCode"
6   on country_to_continent.three_letter_country_code=country.three_letter_country_code
7   on continent.continent_code=country_to_continent.continent_code
8   where indices."Date"='2022/06/01' or indices."Date"='2021/06/01' or indices."Date"='2020/06/01'
9 )
10 select "06_01"."Continent Name", "06_01"."Country Name", "06_01"."Date", "06_01"."StringencyIndex_Average_ForDisplay" as "Highest Stringency Index"
11 from (
12   select "Continent Name", "Date", max("StringencyIndex_Average_ForDisplay") as "StringencyIndex_Average_ForDisplay"
13   from "06_01"
14   group by "Continent Name", "Date"
15 ) as "max_in_06_01" left join "06_01"
16 on "max_in_06_01"."Continent Name"="06_01"."Continent Name"
17 and "max_in_06_01"."Date"="06_01"."Date"
18 and "max_in_06_01"."StringencyIndex_Average_ForDisplay"="06_01"."StringencyIndex_Average_ForDisplay"
19 order by "06_01"."Continent Name", "06_01"."Date" asc

```

	Continent Name character varying (100) 🔒	Country Name character varying (100) 🔒	Date date 🔒	Highest Stringency Index double precision 🔒
1	Africa	Libyan Arab Jamahiriya	2020-06-01	96.3
2	Africa	Mauritius, Republic of	2021-06-01	80.56
3	Africa	Zimbabwe, Republic of	2022-06-01	47.12
4	Asia	Iraq, Republic of	2020-06-01	92.59
5	Asia	Nepal, State of	2020-06-01	92.59
6	Asia	Nepal, State of	2021-06-01	94.44
7	Asia	China, People's Republi...	2022-06-01	79.17
8	Europe	Malta, Republic of	2020-06-01	83.33
9	Europe	Ireland	2020-06-01	83.33
10	Europe	Italy, Italian Republic	2021-06-01	71.3
11	Europe	Ukraine	2022-06-01	60.16
12	North America	Cuba, Republic of	2020-06-01	100
13	North America	El Salvador, Republic of	2020-06-01	100
14	North America	Honduras, Republic of	2020-06-01	100
15	North America	Trinidad and Tobago, R...	2021-06-01	92.59
16	North America	Bahamas, Commonwe...	2022-06-01	44.44
17	Oceania	Fiji, Republic of the Fiji ...	2020-06-01	70.37
18	Oceania	Australia, Commonwea...	2021-06-01	75.46
19	Oceania	Vanuatu, Republic of	2022-06-01	73.61
20	South America	Argentina, Argentine R...	2020-06-01	90.74
21	South America	Venezuela, Bolivarian R...	2021-06-01	87.96
22	South America	Peru, Republic of	2022-06-01	40.46

## 7. The SQL statements (in .sql file) and output results of 4b

2022/06/01

```

1 with "continent_country_cases"("Continent Name", "Country Name", "Date","ConfirmedCases") as(
2     select continent.continent_name, country.country_name, cases."Date", cases."ConfirmedCases"
3     from continent join country_to_continent join country join cases
4     on country.three_letter_country_code=cases."CountryCode"
5     on country_to_continent.three_letter_country_code=country.three_letter_country_code
6     on continent.continent_code=country_to_continent.continent_code
7     where '2022/05/25'<=cases."Date" and cases."Date"<='2022/06/01'
8 ), "7_day_average_2022"("Continent Name", "Country Name", "New Cases Average") as(
9     select table1."Continent Name", table1."Country Name", avg(table1."ConfirmedCases"-table2."ConfirmedCases")
10    from "continent_country_cases" as table1, "continent_country_cases" as table2
11    where table1."Country Name"=table2."Country Name" and table1."Date"-1=table2."Date"
12    group by table1."Continent Name", table1."Country Name"
13 ), "count_index"("Continent Name", "Country Name", "over Stringency index") as(
14     select "7_day_average_2022"."Continent Name", "7_day_average_2022"."Country Name",
15           case "7_day_average_2022"."New Cases Average"
16           when 0 then "2022_06_01"."StringencyIndex_Average_ForDisplay"
17           else "2022_06_01"."StringencyIndex_Average_ForDisplay" / "7_day_average_2022"."New Cases Average" end
18     from (
19         select continent.continent_name, country.country_name, indices."StringencyIndex_Average_ForDisplay"
20         from continent join country_to_continent join country join indices
21         on country.three_letter_country_code=indices."CountryCode"
22         on country_to_continent.three_letter_country_code=country.three_letter_country_code
23         on continent.continent_code=country_to_continent.continent_code
24         where indices."Date"='2022/06/01' and indices."StringencyIndex_Average_ForDisplay">0
25     ) as "2022_06_01" join "7_day_average_2022"
26     on "2022_06_01".country_name="7_day_average_2022"."Country Name" and "2022_06_01".continent_name="7_day_average_2022"."Continent Name"
27 )
28
29 select continent_index."Continent Name", country_index."Country Name", continent_index.continent_max as "over Stringency index"
30 from (
31     select "Continent Name", max("over Stringency index") as continent_max
32     from "count_index"
33     group by "count_index"."Continent Name"
34 ) as continent_index join (
35     select "Continent Name", "Country Name", max("over Stringency index") as country_max
36     from "count_index"
37     group by "count_index"."Continent Name", "count_index"."Country Name"
38 ) as country_index
39 on continent_index."Continent Name"=country_index."Continent Name" and continent_index.continent_max=country_index.country_max
40 order by continent_index."Continent Name" asc

```

	Continent Name character varying (100)	Country Name character varying (100)	over Stringency index double precision
1	Africa	Liberia, Republic of	296.59
2	Asia	Macao, Special Admini...	226.86999999999998
3	Europe	Belarus, Republic of	13.89
4	North America	Dominica, Commonwe...	32.41
5	Oceania	Kiribati, Republic of	39.81
6	South America	Suriname, Republic of	1.1381679389312978

2021/06/01

	Continent Name character varying (100)	Country Name character varying (100)	over Stringency index double precision
1	Africa	Congo, Republic of the	50.93
2	Asia	Hong Kong, Special Administrative Region of Ch...	38.39230769230769
3	Europe	San Marino, Republic of	330.54
4	North America	Bermuda	80.09750000000001
5	Oceania	Tonga, Kingdom of	47.22
6	South America	Guyana, Co-operative Republic of	0.4793287827076223

```

1 with "continent_country_cases"("Continent Name", "Country Name", "Date","ConfirmedCases") as(
2     select continent.continent_name, country.country_name, cases."Date", cases."ConfirmedCases"
3     from continent join country_to_continent join country join cases
4     on country.three_letter_country_code=cases."CountryCode"
5     on country_to_continent.three_letter_country_code=country.three_letter_country_code
6     on continent.continent_code=country_to_continent.continent_code
7     where '2021/05/25'<=cases."Date" and cases."Date"<='2021/06/01'
8 ), "7_day_average_2021"("Continent Name", "Country Name", "New Cases Average") as(
9     select table1."Continent Name", table1."Country Name", avg(table1."ConfirmedCases"-table2."ConfirmedCases")
10    from "continent_country_cases" as table1, "continent_country_cases" as table2
11    where table1."Country Name"=table2."Country Name" and table1."Date"-1=table2."Date"
12    group by table1."Continent Name", table1."Country Name"
13 ), "count_index"("Continent Name", "Country Name", "over Stringency index") as(
14     select "7_day_average_2021"."Continent Name", "7_day_average_2021"."Country Name",
15           case "7_day_average_2021"."New Cases Average"
16           when 0 then "2021_06_01"."StringencyIndex_Average_ForDisplay"
17           else "2021_06_01"."StringencyIndex_Average_ForDisplay" / "7_day_average_2021"."New Cases Average" end
18    from (
19         select continent.continent_name, country.country_name, indices."StringencyIndex_Average_ForDisplay"
20         from continent join country_to_continent join country join indices
21         on country.three_letter_country_code=indices."CountryCode"
22         on country_to_continent.three_letter_country_code=country.three_letter_country_code
23         on continent.continent_code=country_to_continent.continent_code
24         where indices."Date"='2021/06/01' and indices."StringencyIndex_Average_ForDisplay">0
25     ) as "2021_06_01" join "7_day_average_2021"
26    on "2021_06_01".country_name="7_day_average_2021"."Country Name" and "2021_06_01".continent_name="7_day_average_2021"."Continent Name"
27 )

28
29 select continent_index."Continent Name", country_index."Country Name", continent_index.continent_max as "over Stringency index"
30 from (
31     select "Continent Name", max("over Stringency index") as continent_max
32     from "count_index"
33     group by "count_index"."Continent Name"
34 ) as continent_index join (
35     select "Continent Name", "Country Name", max("over Stringency index") as country_max
36     from "count_index"
37     group by "count_index"."Continent Name", "count_index"."Country Name"
38 ) as country_index
39 on continent_index."Continent Name"=country_index."Continent Name" and continent_index.continent_max=country_index.country_max
40 order by continent_index."Continent Name" asc

```

2020/06/01

```

1 with "continent_country_cases"("Continent Name", "Country Name", "Date","ConfirmedCases") as(
2     select continent.continent_name, country.country_name, cases."Date", cases."ConfirmedCases"
3     from continent join country_to_continent join country join cases
4     on country.three_letter_country_code=cases."CountryCode"
5     on country_to_continent.three_letter_country_code=country.three_letter_country_code
6     on continent.continent_code=country_to_continent.continent_code
7     where '2020/05/25'<=cases."Date" and cases."Date"<='2020/06/01'
8 ), "7_day_average_2020"("Continent Name", "Country Name", "New Cases Average") as(
9     select table1."Continent Name", table1."Country Name", avg(table1."ConfirmedCases"-table2."ConfirmedCases")
10    from "continent_country_cases" as table1, "continent_country_cases" as table2
11    where table1."Country Name"=table2."Country Name" and table1."Date"-1=table2."Date"
12    group by table1."Continent Name", table1."Country Name"
13 ), "count_index"("Continent Name", "Country Name", "over Stringency index") as(
14     select "7_day_average_2020"."Continent Name", "7_day_average_2020"."Country Name",
15           case "7_day_average_2020"."New Cases Average"
16           when 0 then "2020_06_01"."StringencyIndex_Average_ForDisplay"
17           else "2020_06_01"."StringencyIndex_Average_ForDisplay" / "7_day_average_2020"."New Cases Average" end
18    from (
19         select continent.continent_name, country.country_name, indices."StringencyIndex_Average_ForDisplay"
20         from continent join country_to_continent join country join indices
21         on country.three_letter_country_code=indices."CountryCode"
22         on country_to_continent.three_letter_country_code=country.three_letter_country_code
23         on continent.continent_code=country_to_continent.continent_code
24         where indices."Date"='2020/06/01' and indices."StringencyIndex_Average_ForDisplay">0
25     ) as "2020_06_01" join "7_day_average_2020"
26    on "2020_06_01".country_name="7_day_average_2020"."Country Name" and "2020_06_01".continent_name="7_day_average_2020"."Continent Name"
27 )

28
29 select continent_index."Continent Name", country_index."Country Name", continent_index.continent_max as "over Stringency index"
30 from (
31     select "Continent Name", max("over Stringency index") as continent_max
32     from "count_index"
33     group by "count_index"."Continent Name"
34 ) as continent_index join (
35     select "Continent Name", "Country Name", max("over Stringency index") as country_max
36     from "count_index"
37     group by "count_index"."Continent Name", "count_index"."Country Name"
38 ) as country_index
39 on continent_index."Continent Name"=country_index."Continent Name" and continent_index.continent_max=country_index.country_max
40 order by continent_index."Continent Name" asc

```

	Continent Name character varying (100) 🔒	Country Name character varying (100) 🔒	over Stringency index double precision 🔒
1	Africa	Mauritius, Republic of	486.08
2	Asia	Cambodia, Kingdom of	343.49
3	Europe	Monaco, Principality of	499.1
4	North America	Trinidad and Tobago, R...	609.28000000000001
5	Oceania	Fiji, Republic of the Fiji ...	70.37
6	South America	Guyana, Co-operative R...	38.080000000000005