Christina Cammillus

2337017

SQL ASSIGNMENT

Q 1- Which is the country with the highest crude birth rate in 2020?

```
SELECT country_name
FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
where year = 2020
order by crude_birth_rate DESC
LIMIT 1;
```

Row	country_name
1	Angola

Q2 - What was the crude death rate of India from 2010 to 2021?

```
SELECT year, crude_death_rate
FROM  `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
WHERE country_name = 'India'
AND year BETWEEN 2010 AND 2021;
```

Row	year	crude_death_rate
1	2010	7.53
2	2011	7.48
3	2012	7.43
4	2013	7.39
5	2014	7.35
6	2015	7.32
7	2016	7.3
8	2017	7.28
9	2018	7.26
10	2019	7.26
11	2020	7.25
12	2021	7.25

Q3- Which all country were having growth rate above 10 % and what was their growth rate in 1990?

```
SELECT country_name, growth_rate
 FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
 WHERE year = 1990
AND growth_rate > 10;
```

Row	country_name	growth_rate
1	Djibouti	13.128

Q4- Which are the top 5 countries with highest net migration in 2020?

```
SELECT  country_name, net_migration
 FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
WHERE year = 2020
ORDER BY net_migration DESC
LIMIT 5;
```

Row	country_name	net_migration
1	Syria	49.58
2	Virgin Islands, British	15.46
3	Luxembourg	13.33
4	Cayman Islands	13.04
5	Singapore	11.8

Q5- Which are the top 5 countries with lowest growth rate in 2020?

```
SELECT country_name, growth_rate
  FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
  WHERE year = 2020
ORDER BY growth_rate ASC
LIMIT 5;
```

Row	country_name	growth_rate
1	Lebanon	-8.055
2	Cook Islands	-2.554
3	Puerto Rico	-1.555
4	American Samoa	-1.416
5	Saint Pierre and Miquelon	-1.178

Q6- What was crude birth rate, crude death rate and growth rate in China from 2015 to 2020?

```
SELECT year,crude_birth_rate,crude_death_rate,growth_rate
  FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
 WHERE country_name = 'China'
AND year BETWEEN 2015 AND 2020
ORDER BY year;
```

Row	year	crude_birth_rate	crude_death_rate	growth_rate
1	2015	12.49	7.53	0.452
2	2016	12.42	7.67	0.432
3	2017	12.3	7.81	0.406
4	2018	12.12	7.95	0.374
5	2019	11.89	8.09	0.337
6	2020	11.62	8.23	0.295

Q7- Find out the countries having highest crude death rate from 2015 to 2020?

```
SELECT country_name, MAX(crude_death_rate) AS highest_crude_death_rate
 FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
 WHERE year BETWEEN 2015 AND 2020
GROUP BY country_name
ORDER BY highest_crude_death_rate DESC;
```

Row	country_name	highest_crude_death
1	South Sudan	19.29
2	Lesotho	15.39
3	Lithuania	14.99
4	Bulgaria	14.61
5	Latvia	14.6
6	Ukraine	14.46
7	Afghanistan	13.89
8	Central African Republic	13.8
9	Russia	13.69
10	Serbia	13.66
11	Somalia	13.62

Q8- Which are the 3 countries with lowest crude death rate in 2022?

```sql
SELECT  country_name,
    crude_death_rate
    FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
    WHERE
    year = 2022
ORDER BY
    crude_death_rate ASC
LIMIT 3;
```

Row	country_name	crude_death_rate
1	Qatar	1.62
2	United Arab Emirates	2.24
3	Kuwait	2.38

Q9- Find out midyear population and growth rate of Japan in 2012?

```sql
SELECT
    p.year AS year,
    p.midyear_population AS mid_year_population,
    g.growth_rate AS growth_rate
FROM
    `bigquery-public-data.census_bureau_international.midyear_population_5yr_age_sex` AS p
JOIN
    `bigquery-public-data.census_bureau_international.birth_death_growth_rates` AS g
ON
    p.year = g.year
WHERE
    p.country_name = 'Japan'
    AND p.year = 2012
```

Row	year	mid_year_population	growth_rate
1	2012	127368088	3.548
2	2012	127368088	-0.092
3	2012	127368088	0.766
4	2012	127368088	0.493
5	2012	127368088	1.243
6	2012	127368088	5.2
7	2012	127368088	1.655
8	2012	127368088	2.043
9	2012	127368088	1.016
10	2012	127368088	2.748
11	2012	127368088	1.413

Q10- Find out crude death rate and midyear population of Japan from 2015 to 2020 from two data sets?

```sql
SELECT
    b.year AS year,
    b.crude_death_rate AS crude_death_rate,
    m. midyear_population AS mid_year_population
FROM
    `bigquery-public-data.census_bureau_international.birth_death_growth_rates` AS b
JOIN
    `bigquery-public-data.census_bureau_international.midyear_population_5yr_age_sex` AS m
ON
    b.year = m.year
    AND b.country_code = m.country_code
WHERE
    b.country_name = 'Japan'
    AND b.year BETWEEN 2015 AND 2020;
```

Row	year	crude_death_rate	mid_year_population
1	2015	9.51	126919659
2	2015	9.51	91338
3	2015	9.51	5272998
4	2015	9.51	5612088
5	2015	9.51	5749268
6	2015	9.51	6151388
7	2015	9.51	6132368
8	2015	9.51	6542587
9	2015	9.51	7471754
10	2015	9.51	8268203
11	2015	9.51	9499929
12	2015	9.51	8457774
13	2015	9.51	7821947
14	2015	9.51	7565493
15	2015	9.51	8623659
16	2015	9.51	9567391
17	2015	9.51	7818113
18	2015	9.51	6260248
19	2015	9.51	4946879
20	2015	9.51	3171849
21	2015	9.51	1452801
22	2015	9.51	441584
23	2016	9.64	126702133
24	2016	9.64	99893
25	2016	9.64	5171964
26	2016	9.64	5602477
27	2016	9.64	5662210
28	2016	9.64	6088519
29	2016	9.64	6161638
30	2016	9.64	6369932
31	2016	9.64	7326207
32	2016	9.64	8040698
33	2016	9.64	9387601
34	2016	9.64	8852133
35	2016	9.64	7762029
36	2016	9.64	7488776
37	2016	9.64	8218976
38	2016	9.64	10086876
39	2016	9.64	7514286
40	2016	9.64	6433390
41	2016	9.64	5091966
42	2016	9.64	3294890
43	2016	9.64	1568145
44	2016	9.64	479527
44	2016	9.64	479527
45	2017	9.77	126451398
46	2017	9.77	108261
47	2017	9.77	5071449
48	2017	9.77	5547048
49	2017	9.77	5618159
50	2017	9.77	6022699