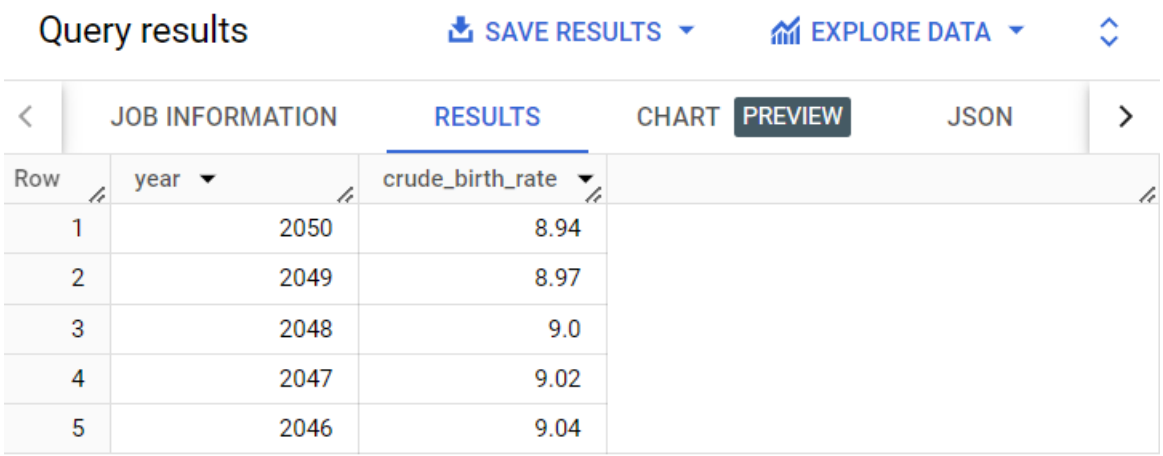
1.Display year and crude birth rate for Cuba in ascending order of crude birth rate

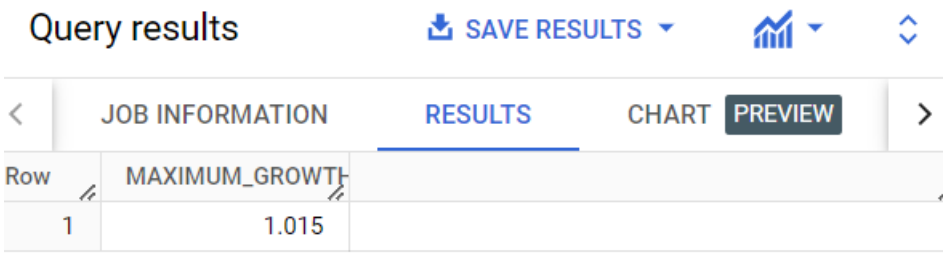
```
SELECT year, crude_birth_rate
FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
WHERE country_name ='Cuba'
ORDER BY crude_birth_rate ASC
limit 5;
```



Row	year	crude_birth_rate
1	2050	8.94
2	2049	8.97
3	2048	9.0
4	2047	9.02
5	2046	9.04

2.Display the maximum growth rate of Fiji

```
SELECT MAX(growth rate ) AS MAXIMUM GROWTH RATE FIJI
FROM `bigquery-public-data.census_bureau_international.birth_death_growth_rates`
WHERE country_name='Fiji';
```



Row	MAXIMUM_GROWTH
1	1.015

3.Display country name, year and total fertility rate in ascending order

```
SELECT country_name,year, total_fertility_rate
FROM `bigquery-public-
data.census_bureau_international.age_specific_fertility_rates`
```

```
ORDER BY total_fertility_rate ASC
LIMIT 5;
```

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON

Row	country_name	year	total_fertility_rate
1	Singapore	2009	0.6621
2	Singapore	2010	0.7535
3	Singapore	2011	0.7647
4	Singapore	2012	0.7759
5	Singapore	2013	0.787

4.Comparison of total fertility rates and growth rate across countries

```
SELECT t1.country name , t1.year,t1.total fertility rate, t2.growth rate
FROM `bigquery-public-
data.census_bureau_international.age_specific_fertility_rates` t1
LEFT JOIN bigquery-public-data.census_bureau_international.birth_death_growth_rates
t2
on t1.country_name=t2.country_name
and t1.year=t2.year
LIMIT 5;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS

Row	country_name	year	total_fertility_rate	growth_rate
1	Aruba	1981	1.935	1.0
2	Aruba	1982	1.9737	1.422
3	Aruba	1983	2.0124	1.751
4	Aruba	1984	2.0511	0.384
5	Aruba	1985	2.0898	-4.201

5.Display count of distinct countries in age-specific fertility dataset.

```
SELECT COUNT(DISTINCT (country_name))
AS COUNTRY_COUNT
FROM `bigquery-public-
data.census_bureau_international.age_specific_fertility_rates`;
```

Query results SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON

Row	COUNTRY_COUNT
1	228

6.Display comparative measures of gross reproduction rate and crude death rate for the country Chad.

```
SELECT t1.country_name , t1.year,t1.gross_reproduction_rate, t2.crude_death_rate
FROM bigquery-public-data.census_bureau_international.age_specific_fertility_rates
t1
LEFT JOIN bigquery-public-data.census_bureau_international.birth_death_growth_rates
t2
on t1.country_name =t2.country_name
and t1.year= t2.year
WHERE t1.country_name ='Chad'
LIMIT 6;
```

Query results SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS

Row	country_name	year	gross_reproduction_r	crude_death_rate
1	Chad	1993	3.2475	18.71
2	Chad	1994	3.2475	18.31
3	Chad	1995	3.2828	17.9
4	Chad	1996	3.318	17.51
5	Chad	1997	3.3532	17.25
6	Chad	1998	3.3885	17.01

7.Display country name , year, total fertility rate and sex ratio for countries with total fertility rate greater than 2.5 and sex ratio at birth=1.05.

```
SELECT country_name,year,total_fertility_rate,sex_ratio_at_birth
FROM `bigquery-public-
data.census_bureau_international.age_specific_fertility_rates`
WHERE total_fertility_rate>2.5 AND sex_ratio_at_birth = 1.05
LIMIT 7;
```

Query results

SAVE RESULTS | EXPLORE DATA

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS

Row	country_name	year	total_fertility_rate	sex_ratio_at_birth
1	Afghanistan	1979	7.08	1.05
2	Afghanistan	1980	6.92	1.05
3	Afghanistan	1981	6.76	1.05
4	Afghanistan	1982	6.6	1.05
5	Afghanistan	1983	6.775	1.05
6	Afghanistan	1984	6.95	1.05
7	Afghanistan	1985	7.125	1.05

8.Display country name , year, net migration and growth rates for countries with negative growth and countries that contain alphabet 'c'.

```
SELECT t1.country_name , t1.year,t2.net_migration,t2.growth_rate
FROM bigquery-public-data.census_bureau_international.age_specific_fertility_rates
t1
LEFT JOIN  bigquery-public-
data.census bureau international.birth death growth rates t2
on t1.country name =t2.country name
and t1.year= t2.year
WHERE t2.growth_rate<0 and t1.country_name like"%c%"
LIMIT 6;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS

Row	country_name	year	net_migration	growth_rate
1	American Samoa	2001	-25.56	-0.173
2	American Samoa	2002	-25.61	-0.243
3	American Samoa	2003	-25.67	-0.214
4	American Samoa	2004	-25.71	-0.085
5	American Samoa	2005	-25.73	-0.058
6	American Samoa	2006	-25.8	-0.523

9.Count of age-specific fertility rate in Algeria with total fertility rate greater than 2.5

```
SELECT COUNT(*) AS COUNT
FROM bigquery-public-data.census_bureau_international.age_specific_fertility_rates
sex_ratio_at_birth
WHERE total_fertility_rate>2.5
AND country_name='Algeria';
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON

Row	COUNT
1	29

10. Display countries with growth rate greater than 3 and negative net migration

```
SELECT country_name,year,growth_rate,net_migration

FROM bigquery-public-data.census_bureau_international.birth_death_growth_rates

where growth_rate>3 and net_migration<0
LIMIT 5;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	country_name	year	growth_rate	net_migration
1	Chad	1996	3.07	-0.14
2	Chad	1998	3.221	-0.01
3	Chad	2000	3.308	-0.76
4	Chad	2007	3.491	-1.27
5	Chad	2015	3.005	-3.57