Section 9: Multi-Table Queries Solutions

QuickCheck: Around the World

Due Date: Tuesday, May 22nd

Recall the following tables in the `world` database:

world:

code	name	continent	independence_year	population	gnp	head_of_state	...
AFG	Afghanistan	Asia	1919	22720000	5976.0	Mohammad Omar	...
NLD	Netherlands	Europe	1581	15864000	371362.0	Beatrix	...
			...				

countries

Other columns: region, surface_area, life_expectancy, gnp_old, local_name, government_form, capital, code2

country_code	language	official	percentage
AFG	Pashto	T	52.4
NLD	Dutch	T	95.6
	...		

languages

id	name	country_code	district	population
3793	New York	USA	New York	8008278
1	Los Angeles	USA	California	3694820

(a) List the full names of all countries where English is spoken as an official language. Do this as a single multi-table query. Expected results:

```
+-------------------------------------+
| name                                |
+-------------------------------------+
| American Samoa                      |
| Anguilla                            |
| Antigua and Barbuda                 |
| Australia                           |
| Barbados                            |
| ...                                 |
+-------------------------------------+
44 rows in set (0.02 sec)
```

Solution:

One solution is provided below:

```
SELECT c.name
FROM countries c
JOIN languages l on l.country_code = c.code
WHERE l.language = 'English' AND l.official = 'T';
```