

Database Intro Problem Set

November 17, 2017

Using the *DatabasePractice.sqlite* database, answer the questions in this problem set. You should type or enter your answers into a separate text file. Some examples have been provided to help you.

Examples

a) Get the names of nations on the African continent:

```
SELECT name FROM nations WHERE continent = 'Africa';
```

b) Get the names of nations with populations of 55,000,000 or more:

```
SELECT name FROM nations WHERE population >= 55000000;
```

c) Get the names of nations in Asia with population less than 70,000,000:

```
SELECT name FROM nations  
WHERE continent = 'Asia'  
AND population < 70000000;
```

d) Get the name of every student and the continent on which they live:

```
SELECT people.name, continent FROM people  
JOIN nations ON people.nation = nations.id  
WHERE is_student = 'Y';
```

Problems

1) Write a SQL query to get the names of nations on the Asian continent.

- 2) Write a SQL query to get the names of nations that are in Europe *or* have a population greater than 300 million.

- 3) Write a SQL query to get the names of nations with a population less than 55 million *or* with a population greater than 200 million.

- 4) Write a SQL query to get the names of everyone who is a student.

- 5) Write a SQL query to get the names of everyone who comes from a nation with a population of 90 million or more.

- 6) Write a SQL query to get the names *and nation* of everyone who lives in Africa.

- 7) Write a SQL query to get the names *and nation* of everyone who lives in Asia or Europe.

- 8) Write a SQL query to get the name of everyone in Tanzania who *is not* a student.