Unit Tests

This is the table from the database that I will use to do the unit tests from:



Unit Test 1

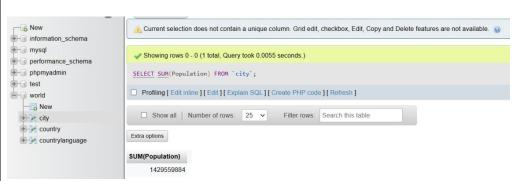
Name: Testing mathematical operations from the database using the sum function $\begin{tabular}{ll} \hline \end{tabular}$

From: World. SQL

Description: The first unit test I would do is to find the total number of population of people who lives in every city of each country.

Screenshots of testing

SELECT SUM(Population) FROM `city`;



Outcome: After I have completed the unit testing, I have found out the total population of people living in every city of each of the country from the database as the result was shown to be around 1.4 billion people.

Unit Test 2

Name: Testing mathematical operations from the database using a special operator

From: World .SQL

Description: This unit test I would decide to do is to find the continent of the country in the world that is Europe that is only starting with the letter "E".



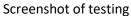
Outcome: After I have completed the unit testing, I have found out the continent of each country only contains Europe in the database, so it does not include other continents of each country that are Asia, North America, South America, Africa, and Oceania.

Unit Test 3

Name: To test database operations by inserting records in the database

From: World. SQL

Description: For this unit testing, I want to add a data to the database of the country Anguilla as the German language that is not official.





Outcome: After I have completed this testing, I have found out that I have inserted a new record into the database that represents the country Anguilla as the country code, German as the

language which is not official, and it is a British territory, so no percentage of the people speak German only English.

Unit Test 4

Name: To test database operations by updating records in the database