**COMP-1295 Information Systems**

**SQL Competency Submission**

Complete the following tasks and insert the required information and/or screenshots into this document where indicated. Submit this document to the dropbox before the due date.

**You will use the competency\_database that you created using the world.sql script in the Database Competency.**

**Review the tables in the database. Show the query command you used and the number of rows returned for each of the following requests for information: (20 marks)**

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| --- | --- | --- |
| **SQL Command run** | **Number of rows returned** | **Information Requested** |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) [COUNT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_count)(DISTINCT Language) AS "Total Language"  FROM CountryLanguage; | 457 | How many different languages are spoken? |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name  FROM Country  WHERE Continent = "Antarctica"; | 5 | What are the names of the countries in Antarctica |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name,Region,LifeExpectancy  FROM Country  WHERE LifeExpectancy > 75  ORDER BY Region; | 62 | Show the country, region and life expectancy of countries having a life expectancy greater than 75 years sorted by Region in ascending order |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name,Region,IndepYear  FROM Country  WHERE IndepYear < 1920 | 60 | What countries (show the name, region and Independence Year) became independent before 1920? |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name,Region,Continent  FROM Country  WHERE Region  [IN](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23function_in" \t "mysql_doc) ("South America","North America"); | 19 | What are all of the countries (show country, region, continent) in either North or South America |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) DISTINCT(GovernmentForm)  FROM Country; | 35 | List the different types of government from the country table |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name,Region  FROM Country  WHERE GNP > 1000000 [AND](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) LifeExpectancy >60; | 6 | Show the name and region where the GNP is greater thatn one million and the life expectancy is over 60 |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name AS "Manitoba Cities"  FROM City WHERE District = "Manitoba"; | 1 | Show all of the cities in Manitoba from the city table and label the column Manitoba Cities |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name AS "Densely Population Cities"  FROM City  WHERE Population > 5000000 ORDER BY Name DESC; | 24 | List the cities that have a population of more than 5 million. Label the Name column as Densely Population Cities. Sort by city name in descending order |
| [SELECT](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) Name,Region  FROM Country  WHERE Indepyear [IS](http://10.211.55.7/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) NULL; | 47 | List the name and region of the countries that we do not have a year of independence for |