**SQL Module 5 Challenge Worksheet**

The Challenge Activity for this module asks you to answer the questions below. Use this space to record your responses. Then save and submit this document to Canvas as instructed in your online classroom.

To successfully complete this challenge, you will need to complete the following:

1. What is the purpose of the INSERT INTO statement?

[The INSERT INTO Statement is used to create new records in a table.]

1. Do you need to include column tiles in a query when only inserting values to a data table?

[No, you do not need to do this.]

1. How can you check that your values were added to a table?

[You can use the SELECT \* FROM statement.]

1. What statement allows you to modify existing records in a table?

The statement that allows you to modify existing records in a table is ALTER.

1. Can you include a condition in your UPDATE statement?

[Yes, you can include a condition in your UPDATE statement.]

1. How can you remove existing records in a table?

[You can remove existing records in a table via the DELETE statement.]

1. What happens if you omit the WHERE clause in a DELETE statement?

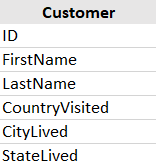
[If you omit the WHERE clause in a DELETE statement, all the records in the table will be deleted.]

1. Can you delete all rows from a table without deleting the table itself?

[Yes, you can do this using DELETE FROM table\_name and I believe you can also use the TRUNCATE statement.]

You are the analyst for a travel agency and have been given access to a customer database. Using the customer table below, create the following queries.

Challenge Demo Database



1. You received new customer data and need to add values to your customer table. The customer data that needs to be added is: first name = Janet last name = Willow city lived = Jonesburg state = Texas. What does this query look like?

INSERT INTO customers (FirstName, LastName, CityLived, StateLived)

VALUES

(‘Janet’, ‘Willow’, ‘Jonesburg’, ‘Texas’);

1. You will need to update customer id number 413. The values that need to be updated are first name should be Jason, last name should be Sparks, and city lived should be Wilmington. What does this query look like?

UPDATE customers

SET FirstName= ‘Jason’, LastName= ‘Sparks’, CityLived= ‘Wilmington’

WHERE ID = 413

1. You have just been informed that all customers named John were uploaded to the database incorrectly. You need to create a query that will remove all values with the first name John. What does this query look like?

DELETE FROM customers

WHERE FirstName = ‘John’

1. You want to know the number of different countries that your customers have visited. How can you pull the values?

SELECT count(CountryVisited) FROM customers

1. If we add a customer\_id to the table, what constraint can we add to make sure that all customer\_id values are unique?

You can use the PRIMARY KEY as a unique or use the UNIQUE statement.