Milestone #3

1. The first report to help make the business decisions is:
   1. **Do enough customers buy equipment to keep equipment sales?**
   2. Text

      Description automatically generatedThis report looks at a few things again. First the question is do enough customers buy equipment to keep equipment sales. We would assume that this is not for us to decide so we will print the facts.
   3. The code is above to query the results of the equipment purchased, date, price, and quantity.
   4. From this report we are selecting the equipment name from the equipment table, the purchase date, purchase price, and purchase quantity from the purchase table. We are joining them together by equipment id and outputting the results in a neatly laid out format. The customer can then decide what to do with the information.
   5. When the query is called we are printing “The Query is executed at the datetime.

Graphical user interface

Description automatically generated with low confidence

1. The second report to help make the business decisions is:
   1. **Out of the treks conducted in Africa, Asia, or Southern Europe, do any of these locations have a downward trend in booking?**
   2. Text

      Description automatically generatedThis report looks at a few things. First, we are seeing how many trips were taken to each location, we named it as total\_completed trips grouped by the group id. From here, we are looking for the lowest booked travel destinations. The reason here is that we are assuming that the highest booked trips would not be an issue for the company so we are showing the three lowest trips as total\_completed\_trips grouping by trip\_id again.
   3. The code is above to query the results, the output is below.

Graphical user interface, text

Description automatically generatedText

Description automatically generated

* 1. For this report, the client is concerned about the downward trend in booking trips in any of these locations. We are then looking for all the trips that have been booked, and we are then showing the three lowest booked trips and how many bookings there are, this can show them if it is similar to the other locations or if the amount of bookings is far off of the others.
  2. Once again, we post a time and date stamp when the query was executed.

1. The third report to help make business decisions is:
   1. **Are there any inventory items in the store that are over five years old?**
   2. Text

      Description automatically generatedThis report is relatively simple, we can pull with a query that shows how many items are in the store that are over five years old.
   3. Graphical user interface

      Description automatically generatedThe code is above to query the results. The output is below.
   4. From this report, the client is concerned about the age of some of the inventory. This query gives the output back of any of the equipment is greater than or equal to five years old. What the customer does with this is up to them. We are just providing the feedback of the data.
   5. At the end of the report we put another date and timestamp.