## What I have added

## HTML:

```
<h2>Exercise 1: Filter Inventors Born in the 1500's</h2>
 <h3>Ouestion: Which inventors were born in the 1500's?</h3>
 First Name
    Last Name
    Birth Year
    Death Year
  <h2>Exercise 2: Inventors' Full Names</h2>
 <h3>Question: What are the full names of the inventors?</h3>
 Full Name
  <h2>Exercise 3: Sort Inventors by Birthdate</h2>
 <h3>Question: How should the inventors be sorted by birthdate?</h3>
 First Name
    Last Name
    Birth Year
    Death Year
  <h2>Exercise 4: Total Years Lived by Inventors</h2>
 <h3>Question: What is the total number of years lived by all the
inventors?</h3>
 Total Years Lived
  <h2>Exercise 5: Sort Inventors by Years Lived</h2>
 <h3>Question: How should the inventors be sorted by years lived?</h3>
```

```
First Name
    Last Name
    Birth Year
    Death Year
   <h2>Exercise 6: Boulevards in Paris with 'de' in the Name</h2>
 Please copy and paste the code into the console of the following
Wikipedia page to see the results:
href="https://en.wikipedia.org/wiki/Category:Boulevards in Paris">https
://en.wikipedia.org/wiki/Category:Boulevards_in_Paris</a>
 <h2>Exercise 7: Sort People Alphabetically by Last Name</h2>
 <h3>Question: How should the people be sorted alphabetically by last
name?</h3>
 Full Name
   <h2>Exercise 8: Count Instances of Transportation Types</h2>
 <h3>Question: Sum up the instances of each of these
   const data = ['car', 'car', 'truck', 'truck', 'bike', 'walk',
car', 'van', 'bike', 'walk', 'car', 'van', <u>'</u>car',
   'truck', 'pogostick'];</h3>
 Transportation
    Count
```

## CSS:

```
/* My code */
body {
   padding: 1%;
}

h2 {
   border-top: 2px solid black;
   padding-top: 1%;
}
```

```
<!-- My script -->
 <script>
   // Exercise 1: Filter the list of inventors for those who were born
in the 1500's
   const fifteenTable = document.getElementById('fifteen-table');
   fifteen.forEach(inventor => {
     const row = document.createElement('tr');
     {inventor.last}${inventor.year}${inventor.passed}</</pre>
td>`;
     fifteenTable.appendChild(row);
   });
   // Exercise 2: Give us an array of the inventors first and last
names
   const fullNameTable = document.getElementById('full-name-table');
   fullName.forEach(name => {
     const row = document.createElement('tr');
     row.innerHTML = `${name}`;
     fullNameTable.appendChild(row);
   });
   // Exercise 3: Sort the inventors by birthdate, oldest to youngest
   const birthdateTable = document.getElementById('birthdate-table');
   birthdate.forEach(inventor => {
     const row = document.createElement('tr');
     {inventor.last}${inventor.year}${inventor.passed}</
td>`;
     birthdateTable.appendChild(row);
   });
   // Exercise 4: How many years did all the inventors live all
together?
   const totalYearsTable = document.getElementById('total-years-
table');
   const row = document.createElement('tr');
   row.innerHTML = `${totalYears}`;
   totalYearsTable.appendChild(row);
   // Exercise 5: Sort the inventors by years lived
   const yearsLivedTable = document.getElementById('years-lived-
table');
   yearsLived.forEach(inventor => {
     const row = document.createElement('tr');
```

```
{inventor.last}${inventor.year}${inventor.passed}</
td>`;
     yearsLivedTable.appendChild(row);
   });
   // Exercise 6: Please see the instructions in the HTML code
comment.
   // Exercise 7: Sort the people alphabetically by last name
   const lastNameTable = document.getElementById('last-name-table');
   lastName.forEach(name => {
     const row = document.createElement('tr');
     row.innerHTML = `${name}`;
    lastNameTable.appendChild(row);
   });
   // Exercise 8: Sum up the instances of each transportation type
   const transportationTable =
document.getElementById('transportation-table');
   for (const item in transportation) {
     const row = document.createElement('tr');
     {transportation[item]}`;
     transportationTable.appendChild(row);
 </script>
```

As an extra feature, I have added HTML code which provides sections for each exercise using <h2> headings. Within each exercise section, I included a <h3> heading to represent the exercise question. I created a element with a unique id for each exercise, allowing me to target and populate the table with results.

In the JavaScript code, I used document.getElementById() to retrieve each table element by its id. I then performed the necessary operations for each exercise and added rows to the respective tables to display the results:

- For Exercise 1, I iterated over the fifteen array and created a new row in the fifteen-table for each inventor, displaying their first name, last name, birth year, and death year.
- For Exercise 2, I iterated over the fullName array and added a row to the full-name-table for each inventor, displaying their full name.
- For Exercise 3, I populated the birthdate-table with the inventors' information, similar to Exercise 1, but sorted them by birthdate from oldest to youngest.

- For Exercise 4, I added a single row to the total-years-table to display the total number of years lived by all the inventors.
- For Exercise 5, I populated the years-lived-table with the inventors' information, similar to Exercise 1, but sorted them by the number of years lived.
- For Exercise 6, I included a comment in the HTML code instructing the user to copy and paste the provided code into the console of a specific Wikipedia page to see the results. The code for Exercise 6 is not included in the JavaScript section.
- For Exercise 7, I iterated over the lastName array and added a row to the last-name-table for each person, displaying their full name.
- For Exercise 8, I looped over the transportation object, retrieved each transportation type and its corresponding count, and added a row to the transportation-table to display the instances of each transportation type.

By including these HTML, CSS, and JS code additions, I made the exercises visually presentable, allowing users to see the results of each exercise that I have made in this challenge.