```
#Based on the data's description there should only be 2 types of fuel, let's run a query to find out if that's true:
SELECT
 DISTINCT fuel_type
FROM `mythic-lead-404523.auto_mobile_data.Automobile_data` LIMIT 1000
```

Query results SAVE RESULTS EXPLORE DATA

Query complete (0.6 sec elapsed, 1 KB processed)

Job information | Results | JSON | Execution details

Row	fuel_type
1	gas
2	diesel

```
#The result shows 2 types, This confirms that the fuel_type column doesn't have any unexpected valuesso we are good to go!
```

#Next, we will inspect a column with numerical data. The length column should contain numeric measurements of the cars.

Let's run this query (results should confirm that 141.1 and 208.1 are the minimum and maximum values respectively in this column):

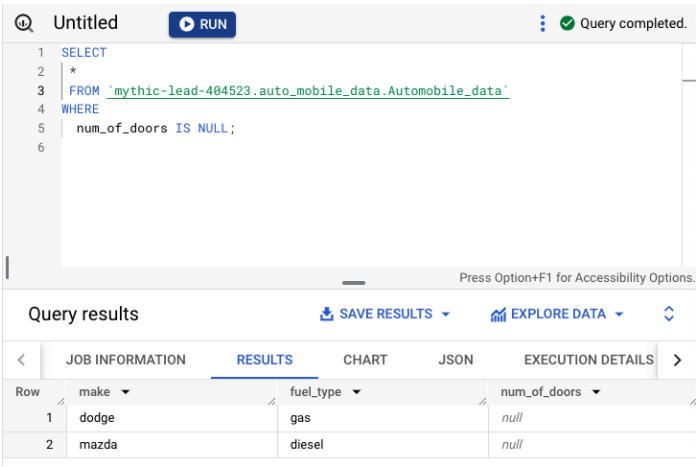
```
SELECT
 MIN(length) AS min_length,
 MAX(length) AS max_length
FROM `mythic-lead-404523.auto_mobile_data.Automobile_data` LIMIT 1000
```

Query results SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | CHART | JSON | EXECUTION DETAILS

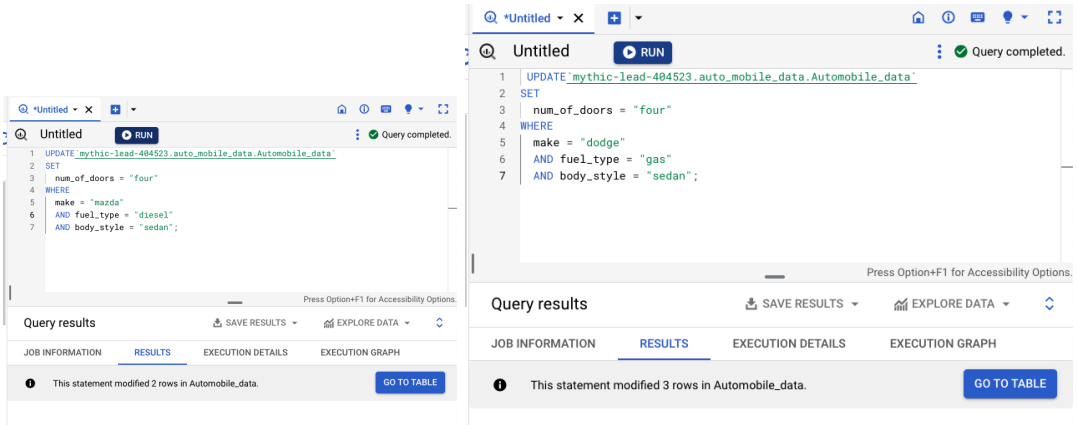
Row	min_length	max_length
1	141.1	208.1

Now, let's check for missing data. For example, I will check to see if the num_of_doors column contains null values using this query:



Now let's fill in those missing values:

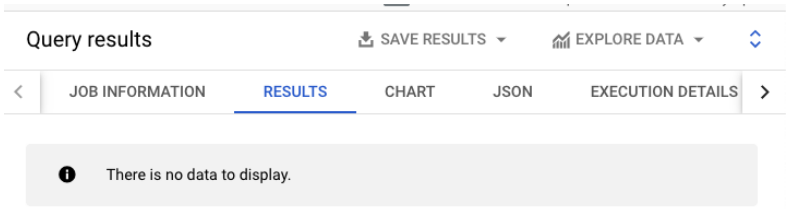
```
UPDATE`mythic-lead-404523.auto_mobile_data.Automobile_data`
SET
 num_of_doors = "four"
WHERE
 make = "dodge"
 AND fuel_type = "gas"
 AND body_style = "sedan";
```



Now, let's run the previous Query again to make sure this was really updated:

```
SELECT
 *
FROM`mythic-lead-404523.auto_mobile_data.Automobile_data`
WHERE
```

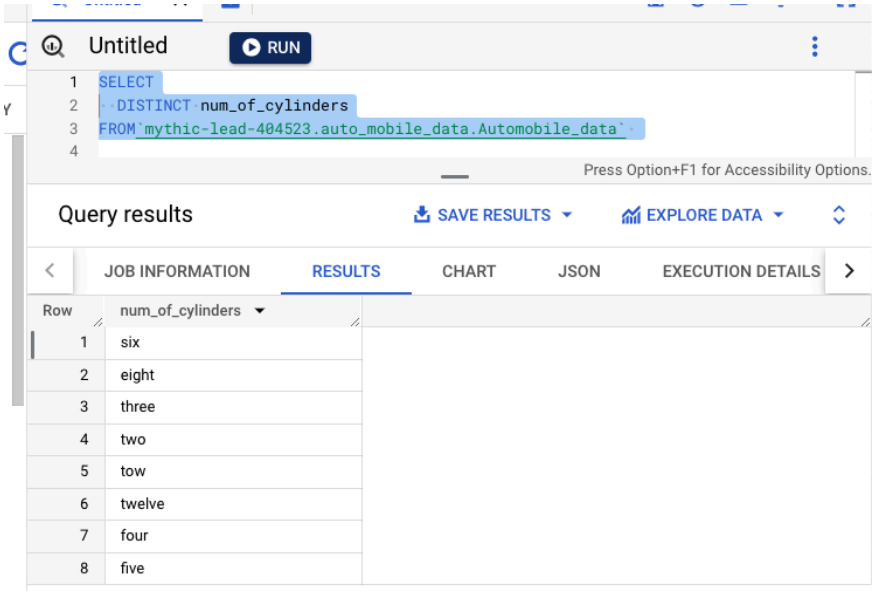
```
num_of_doors IS NULL;
```



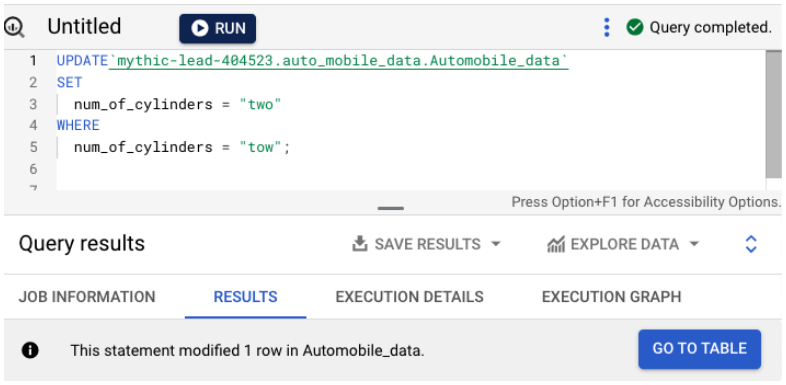
Sweet! Now let's check for potential errors:

```
SELECT
 DISTINCT num_of_cylinders
FROM`mythic-lead-404523.auto_mobile_data.Automobile_data`
```

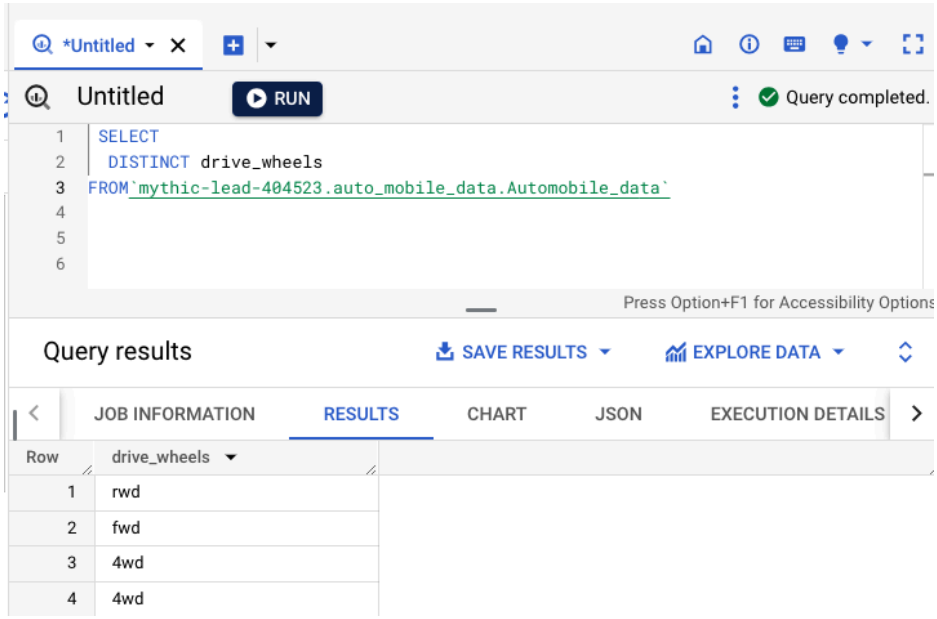
**There are two entries for two cylinders: rows 6 and 7. But the *two* in row 7 is misspelled. **



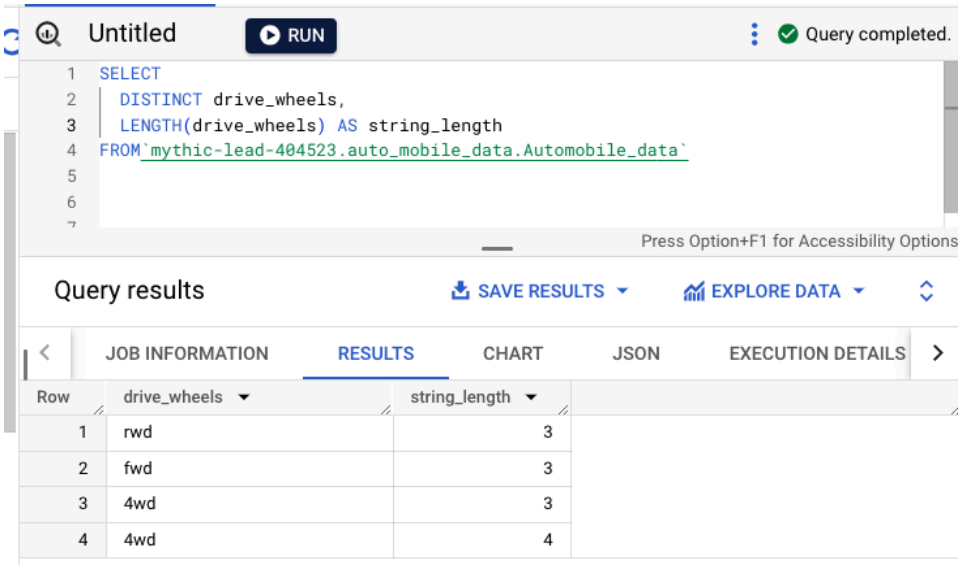
Let's fix that error:



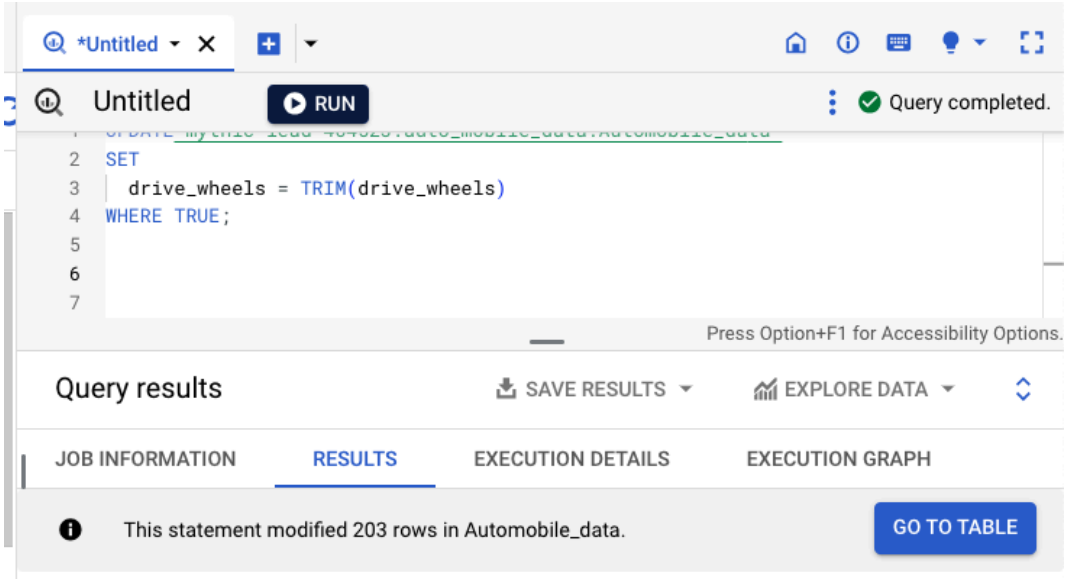
Finally, let's check our data for inconsistencies:

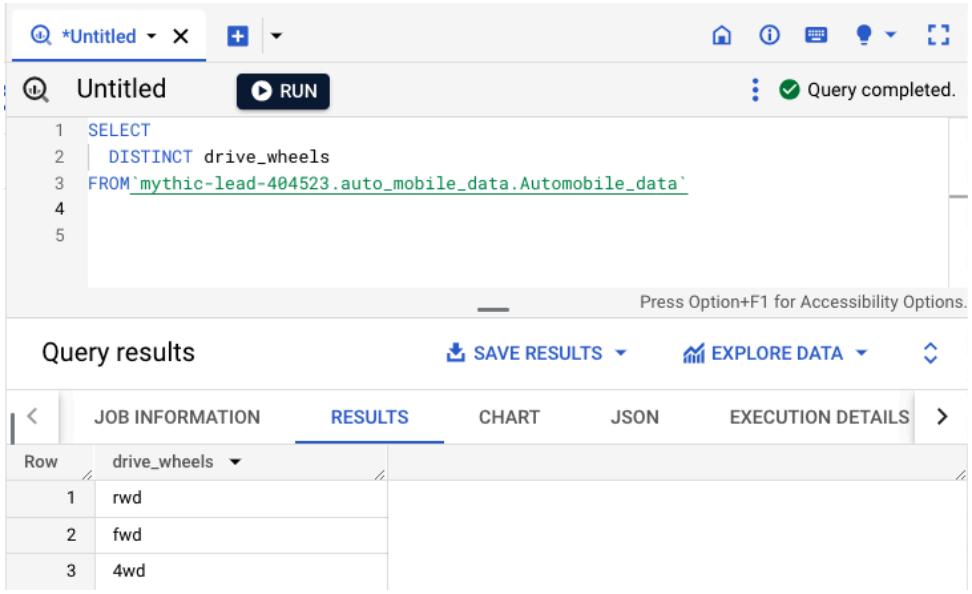


It appears that 4wd appears twice in results. However, because I used a SELECT DISTINCT statement to return unique values, this probably means there's an extra space in one of the 4wd entries that makes it different from the other 4wd. Let's check:



According to these results, some instances of the 4wd string have four characters instead of the expected three (4wd has 3 characters). Let's fix it:





And now there are only be three unique values in this column! This means the data is clean, consistent, and ready for analysis! :)