RUN SAVE SHARE SCHEDULE MORE Query completed.

```sql
#  According to the data's description, the fuel_type column should only have two unique string values: diesel and gas.

SELECT
  DISTINCT fuel_type
FROM
  cars.car_info;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	fuel_type
1	gas
2	diesel

RUN SAVE SHARE SCHEDULE MORE Query completed.

```sql
# The length column should contain numeric measurements of the cars. So I will check that the minimum and maximum lengths in the dataset align with the data description, which states that the lengths in this column should range from 141.1 to 208.1.

SELECT
  MIN(length) AS min_length,
  MAX(length) AS max_length
FROM
  cars.car_info;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	min_length	max_length
1	141.1	208.1

RUN SAVE SHARE SCHEDULE MORE Query completed.

```
# Now, I check to see if the num_of_doors column contains null values using this query:

SELECT
  *
FROM
  cars.car_info

WHERE

  num_of_doors IS NULL;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	make	fuel_type	num_of_doors	body_style	drive_wheels	engine_location	wheel_base	length
1	dodge	gas	*null*	sedan	fwd	front	93.7	157.3
2	mazda	diesel	*null*	sedan	fwd	front	98.8	177.8

RUN SAVE SHARE SCHEDULE MORE Query completed.

```
# I want to check for other potential errors. I used SELECT DISTINCT to check what values exist in a column:

SELECT
  DISTINCT num_of_cylinders
FROM
  cars.car_info;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	num_of_cylinders
1	four
2	six
3	five
4	three
5	twelve
6	two
7	tow
8	eight

RUN SAVE SHARE SCHEDULE MORE Query completed.

```
# According to the data description, the compression_ratio column values should range from 7 to 23. Let me check:

SELECT
  MIN(compression_ratio) AS min_compression_ratio,
  MAX(compression_ratio) AS max_compression_ratio
FROM
  cars.car_info;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	min_compressio	max_compressio
1	7.0	70.0

RUN SAVE SHARE SCHEDULE MORE Query completed.

```
# Run the above query again without the row with 70 to make sure that the rest of the values fall within the expected range of 7 to 23.

SELECT
  MIN(compression_ratio) AS min_compression_ratio,
  MAX(compression_ratio) AS max_compression_ratio
FROM
  cars.car_info

WHERE

  compression_ratio <> 70;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	min_compressio	max_compressio
1	7.0	23.0

RUN SAVE SHARE SCHEDULE MORE Query completed.

```
# Check the drive_wheels column for inconsistencies

SELECT
  DISTINCT drive_wheels
FROM
  cars.car_info;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	drive_wheels
1	rwd
2	fwd
3	4wd
4	4wd

RUN SAVE SHARE SCHEDULE MORE Query completed.

```
# 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. To check if this is the case, I use a LENGTH statement to determine the length of how long each of these string variables:

SELECT
  DISTINCT drive_wheels,
  LENGTH(drive_wheels) AS string_length
FROM
  cars.car_info;
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS EXPLORE DATA

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	drive_wheels	string_length
1	rwd	3
2	fwd	3
3	4wd	4
4	4wd	3