# 4.13.2 Create a DataFrame for the Scores by School Type

**Based** on how quickly you're generating this data, you're working like a seasoned data analyst! There are just a few more steps you need to complete. Get ready to create the final DataFrame!

We're going to create a new DataFrame called `type_summary_df` that includes average math and reading scores, the average percentage of students who passed math and reading, and the average overall percentage.

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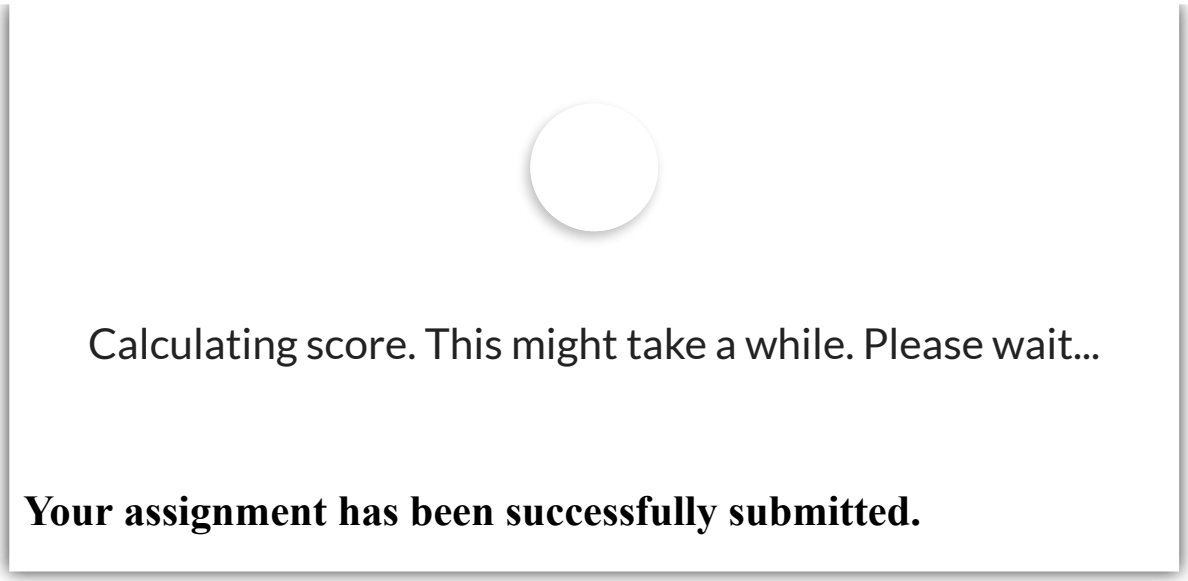
## Create the School Type DataFrame

Based on the work you've done so far, complete the following activity.




To create the type summary DataFrame, add the following code to a new cell and run the cell.

```
# Assemble into DataFrame.
type_summary_df = pd.DataFrame({
          "Average Math Score" : type_math_scores,
          "Average Reading Score": type_reading_scores,
          "% Passing Math": type_passing_math,
          "% Passing Reading": type_passing_reading,
          "% Overall Passing": type_overall_passing})

type_summary_df
```

The results in the output window will look like this:

```
type_summary_df
```

| School Type | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
|---|---|---|---|---|---|
| Charter | 83.473852 | 83.896421 | 93.620830 | 96.586489 | 90.432244 |
| District | 76.956733 | 80.966636 | 66.548453 | 80.799062 | 53.672208 |

We're almost done! Like the previous DataFrames, this new DataFrame needs to adhere to grade-reporting standards. Therefore, we'll make the following formatting changes:

- Format the average math and reading scores to one decimal place
- Format the percentage of students passing math and reading to the nearest whole number
- Format the overall passing percentage to the nearest whole number

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## Format the DataFrame

To format the `type_summary_df` DataFrame, add the following code to a new cell and run the cell.

```
# Formatting
type_summary_df["Average Math Score"] = type_summary_df["Average Math Score"

type_summary_df["Average Reading Score"] = type_summary_df["Average Reading

type_summary_df["% Passing Math"] = type_summary_df["% Passing Math"].map("{

type_summary_df["% Passing Reading"] = type_summary_df["% Passing Reading"].

type_summary_df["% Overall Passing"] = type_summary_df["% Overall Passing"].

type_summary_df
```

The results should look like the following:

```
type_summary_df
```

| School Type | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing |
|---|---|---|---|---|---|
| **Charter** | 83.5 | 83.9 | 94 | 97 | 90 |
| **District** | 77.0 | 81.0 | 67 | 81 | 54 |