4.8.6 Create the School Summary DataFrame

Maria is eager to see the school summary, as are other district officials. You'll need to combine all the data you retrieved and calculated and put this data in a new DataFrame.

Now that we have performed all the calculations needed for the school summary, we can add the following values to a new DataFrame named `per_school_summary_df`. The data and columns of the DataFrame will be:

- Type of school in the "School Type" column
- Total students per school in the "Total Students" column
- Total budget per school in the "Total School Budget" column
- Total budget per student for each school in the "Per Student Budget" column
- Average math score for each school in the "Average Math Score" column
- Average reading score for each school in the "Average Reading Score" column

- Percentage of students passing math for each school in the "% Passing Math" column
- Percentage of students passing reading for each school in the "% Passing Reading" column
- Overall passing percentage for each school in the "% Overall Passing" column

REWIND

To create `per_school_summary_df`, the column names will be the keys, and the values will be each piece of data we retrieved or calculated.

```
# Adding a list of values with keys to create a new DataFrame.

per_school_summary_df = pd.DataFrame({
              "School Type": per_school_types,
              "Total Students": per_school_counts,
              "Total School Budget": per_school_budget,
              "Per Student Budget": per_school_capita,
              "Average Math Score": per_school_math,
            "Average Reading Score": per_school_reading,
            "% Passing Math": per_school_passing_math,
            "% Passing Reading": per_school_passing_reading,
            "% Overall Passing": per_overall_passing_percentage})
per_school_summary_df.head()
```

When we execute this code, we get the following DataFrame:

```
per_school_summary_df.head()
```

	School Type	Total Students	Total School Budget	Per Student Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
Bailey High School	District	4976	3124928	628.0	77.048432	81.033963	66.680064	81.933280	54.642283
Cabrera High School	Charter	1858	1081356	582.0	83.061895	83.975780	94.133477	97.039828	91.334769
Figueroa High School	District	2949	1884411	639.0	76.711767	81.158020	65.988471	80.739234	53.204476
Ford High School	District	2739	1763916	644.0	77.102592	80.746258	68.309602	79.299014	54.289887
Griffin High School	Charter	1468	917500	625.0	83.351499	83.816757	93.392371	97.138965	90.599455

The columns are in the correct order, but we still need to apply formatting to the Total School Budget and Per Student Budget columns, as well as apply a thousands separator to the Total Students column. Let's clean up this DataFrame!