## 4.7.7 Create a District Summary DataFrame

**Maria** is eager to see the district summary so that she can pass the information along to stakeholders. You'll need to combine all of the metrics we just calculated and put them in a new DataFrame to provide Maria with a table that contains all the data.

Now that we have performed all the calculations needed for the district summary, let's add the following values and columns to a new DataFrame named district\_summary\_df.

- Total number of schools in the column "Total Schools"
- Total number of students in the column "Total Students"
- Total budget in the column "Total Budget"
- Average reading score in the column "Average Reading Score"
- Average math score in the column "Average Math Score"
- Percentage of students passing reading in the column "% Passing Reading"
- Percentage of students passing math in the column "% Passing Math"

Overall passing percentage in the column "% Overall Passing"

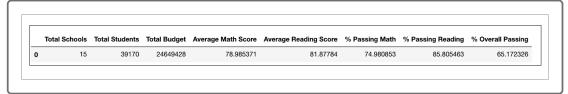
## **REWIND**

Remember, one way to create a new DataFrame is to convert a list of dictionaries to a DataFrame.

To create district\_summary\_df DataFrame, we can create a list of dictionaries, where the keys are column names and the values are the metrics we calculated. We do this because the DataFrame has no index, and lists have natural indexing.

Add the following code to a new cell and run the cell.

When we execute this code, we get the following district summary DataFrame.



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