4.7.9   Reorder Columns

After you format the columns, Maria requests that you put them in top-down order. Her preference is to have the DataFrame show the school information first—like total schools, total students, and total budget—and then show the student data, such as average scores and the percentage passing.

If the order of your columns in the district summary DataFrame is not in top-down order, you need to reorder them. If the columns are already in this order, you can use this time to gain familiarity with how to reorder columns in case the need arises.

The order of the columns in the `district_summary_df` DataFrame should be as follows:

- Total Schools

- Total Students

- Total Budget

- Average Math Score

- Average Reading Score

- % Passing Math

- % Passing Reading

- % Overall Passing

To reorder columns using Pandas, we can pass a list of columns to a current DataFrame using **square bracket notation**. This tells Pandas to select those specific columns and put them in the DataFrame in the same order that they appear in the list.

Here is the standard format for reordering columns:

```
# Reorder the columns in the order you want them to appear.
new_column_order = ["column2", "column4", "column1"]

# Assign a new or the same DataFrame the new column order.
df = df[new_column_order]
```
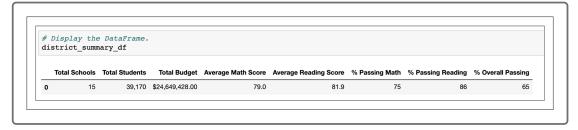
This technique can also be used to filter out columns that you don't need and select the columns in the order that you want. For example, we didn't include `column3` in the new order; this is how we can filter out columns we don't want.

To get the columns in the correct order, add the following code and run the cell.

```
# Reorder the columns in the order you want them to appear.
new_column_order = ["Total Schools", "Total Students", "Total Budget","Avera

# Assign district summary df the new column order.
district_summary_df = district_summary_df[new_column_order]
district_summary_df
```

The DataFrame in the output cell should look like this:

```
# Display the DataFrame.
district_summary_df
```

	Total Schools	Total Students	Total Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
0	15	39,170	$24,649,428.00	79.0	81.9	75	86	65

Your district summary columns are in the correct order!