District Summary

- Create a high level snapshot (in table form) of the district's key metrics, including:
  - Total Schools
  - Total Students
  - Total Budget
  - Average Math Score
  - Average Reading Score
  - % Passing Math
  - % Passing Reading
  - Overall Passing Rate (Average of the above two)

School Summary

- Create an overview table that summarizes key metrics about each school, including:
  - School Name
  - School Type
  - Total Students
  - Total School Budget
  - Per Student Budget
  - Average Math Score
  - Average Reading Score
  - % Passing Math
  - % Passing Reading
  - Overall Passing Rate (Average of the above two)

Top Performing Schools (By Passing Rate)

- Create a table that highlights the top 5 performing schools based on Overall Passing Rate. Include:
  - School Name
  - School Type
  - Total Students
  - Total School Budget
  - Per Student Budget
  - Average Math Score
  - Average Reading Score
  - % Passing Math
  - % Passing Reading
  - Overall Passing Rate (Average of the above two)

Bottom Performing Schools (By Passing Rate)

- Create a table that highlights the bottom 5 performing schools based on Overall Passing Rate. Include all of the same metrics as above.

Math Scores by Grade**

- Create a table that lists the average Math Score for students of each grade level (9th, 10th, 11th, 12th) at each school.

Reading Scores by Grade

- Create a table that lists the average Reading Score for students of each grade level (9th, 10th, 11th, 12th) at each school.

Scores by School Spending

- Create a table that breaks down school performances based on average Spending Ranges (Per Student). Use 4 reasonable bins to group school spending. Include in the table each of the following:
  - Average Math Score
  - Average Reading Score
  - % Passing Math
  - % Passing Reading
  - Overall Passing Rate (Average of the above two)

Scores by School Size

- Repeat the above breakdown, but this time group schools based on a reasonable approximation of school size (Small, Medium, Large).

Scores by School Type

- Repeat the above breakdown, but this time group schools based on school type (Charter vs. District).

As final considerations:

- Use the pandas library and Jupyter Notebook.
- You must submit a link to your Jupyter Notebook with the viewable Data Frames.
- You must include a written description of at least two observable trends based on the data.
- See Example Solution for a reference on the expected format.