**Written Report**

Using Pandas and Jupyter lab,Follwing analysis has been performed from the given CSV file in the resources folder. District Summary Perform the necessary calculations and then create a high-level snapshot of the district's key metrics in a DataFrame. Include the following: Total number of unique schools Total students Total budget Average math score Average reading score % passing math (the percentage of students who passed math) % passing reading (the percentage of students who passed reading) % overall passing (the percentage of students who passed math AND reading)

Include the following School Summary: School name School type Total students Total school budget Per student budget Average math score Average reading score % passing math (the percentage of students who passed math) % passing reading (the percentage of students who passed reading) % overall passing (the percentage of students who passed math AND reading)

Performed highest and lowest performing school based on the %overall pass

calculations to create a DataFrame that lists the average math scoreand reading score for students of each grade level (9th, 10th, 11th, 12th) at each school.

created four bins with reasonable cutoff values to group school spending Created a DataFrame called size\_summary that breaks down school performance based on school size (small, medium, or large).

Used the per\_school\_summary DataFrame from the previous step to create a new DataFrame called type\_summary.

Two correct conclusions or comparisons from the calculations :

1. Charter school types are the highest performing schools calculated by overall percentage of 90.43%
2. 2.District school types are the lowest performing schools calculated by overall percentag of 53.67%