TASK SHEET

1. Plot a grouped bar chart displaying the average math scores for each race/ethnicity, with separate bars for students who completed the test preparation course and those who didn't.
2. Create a scatter plot showing the relationship between reading scores and writing scores, with marker color indicating gender.
3. Generate a histogram of math scores with different bins for each parental level of education.
4. Plot a line chart showing the trend of reading scores over different lunch types, with a separate line for each race/ethnicity.
5. Create a stacked bar chart displaying the number of students who completed the test preparation course, grouped by parental level of education and lunch type.
6. Generate a box plot for writing scores grouped by race/ethnicity and test preparation completion status.
7. Plot a grouped bar chart displaying the average math and reading scores for each combination of parental level of education and race/ethnicity.
8. Create a violin plot for reading scores grouped by lunch types and test preparation completion status.
9. Generate a scatter plot showing the relationship between math scores and reading scores, with marker size indicating writing scores.
10. Plot a pie chart representing the distribution of lunch types across different race/ethnicity groups.
11. Create a stacked area plot showing the cumulative distribution of reading scores over different parental levels of education.
12. Generate a histogram overlaying reading scores distribution for students who completed the test preparation course vs. those who didn't.
13. Plot a line chart showing the trend of writing scores over different test preparation completion status, with separate lines for each parental level of education.
14. Create a grouped bar chart displaying the average writing scores for each gender, with separate bars for students who completed the test preparation course and those who didn't.
15. Generate a box plot for math scores grouped by parental level of education and gender.