TASK SHEET- STUDENT DATA

1. Plot a histogram showing the distribution of math scores.
2. Create a bar chart displaying the average math scores for each parental level of education.
3. Generate a pie chart representing the distribution of lunch types (free/reduced vs. standard).
4. Plot a scatter plot showing the relationship between math scores and reading scores.
5. Create a box plot for writing scores grouped by race/ethnicity.
6. Generate a stacked bar chart displaying the number of students who completed the test preparation course, grouped by gender.
7. Plot a line chart showing the trend of reading scores over different parental levels of education.
8. Create a violin plot for math scores grouped by race/ethnicity.
9. Generate a bar chart displaying the average writing scores for each race/ethnicity.
10. Plot a scatter plot showing the relationship between reading scores and writing scores.
11. Create a box plot for math scores grouped by gender.
12. Generate a stacked bar chart displaying the number of students who completed the test preparation course, grouped by race/ethnicity.
13. Plot a line chart showing the trend of math scores over different parental levels of education.
14. Create a violin plot for reading scores grouped by gender.
15. Generate a bar chart displaying the average math scores for each race/ethnicity.