**Ques-2:**

**a. Folder Structure**

**|- - PDS\_Assignment\_1**

| | |- - README.md

**| |- - Ques\_2**

**| | |- - src**

| | | |- - Q2 Analysis.ipynb

| | | |- - Q2 Data Clean.ipynb

**| | | |- - results**

| | | |- - Q2 Documentation

| | | |- - Math vs Reading Scores.png

| | | |- - Average Math Scores by Parental Education and Gender.png

| | | |- - Writing Scores by Lunch Type.png

| | | |- - Pair Plot of Numeric Variables by Gender.png

| | | |- - Distribution of Gender.png

| | | |- - Average Math Score by Test Preparation Course and Gender.png

| | | |- - Average Math Score by parental Education.png

**| | |- - data\_raw**

| | | |- - StudentsPerformance.csv

**| | |- - data\_clean**

| | | |- - clean\_data.csv

**b. Three Stages of workflow**

**Stage-1: Data Collection**

The data that was given in question-2 was copied and saved into StudentsPerformance.csv under the data\_raw folder.

For further processing and analysis, the above file StudentsPerformance.csv was loaded into Jupyter Notebook.

**A screenshot of a computer

Description automatically generated**

**Stage-2: Data Processing**

A screenshot of a computer

Description automatically generated

**Stage-3: Data Analysis**

A screen shot of a graph

Description automatically generated

A graph of a bar graph

Description automatically generated with medium confidence

A screen shot of a graph

Description automatically generated

A screen shot of a graph

Description automatically generated

**A group of graphs showing different sizes of graphs

Description automatically generated with medium confidence**

**A screenshot of a computer screen

Description automatically generated**

**A graph of a graph

Description automatically generated with medium confidence**