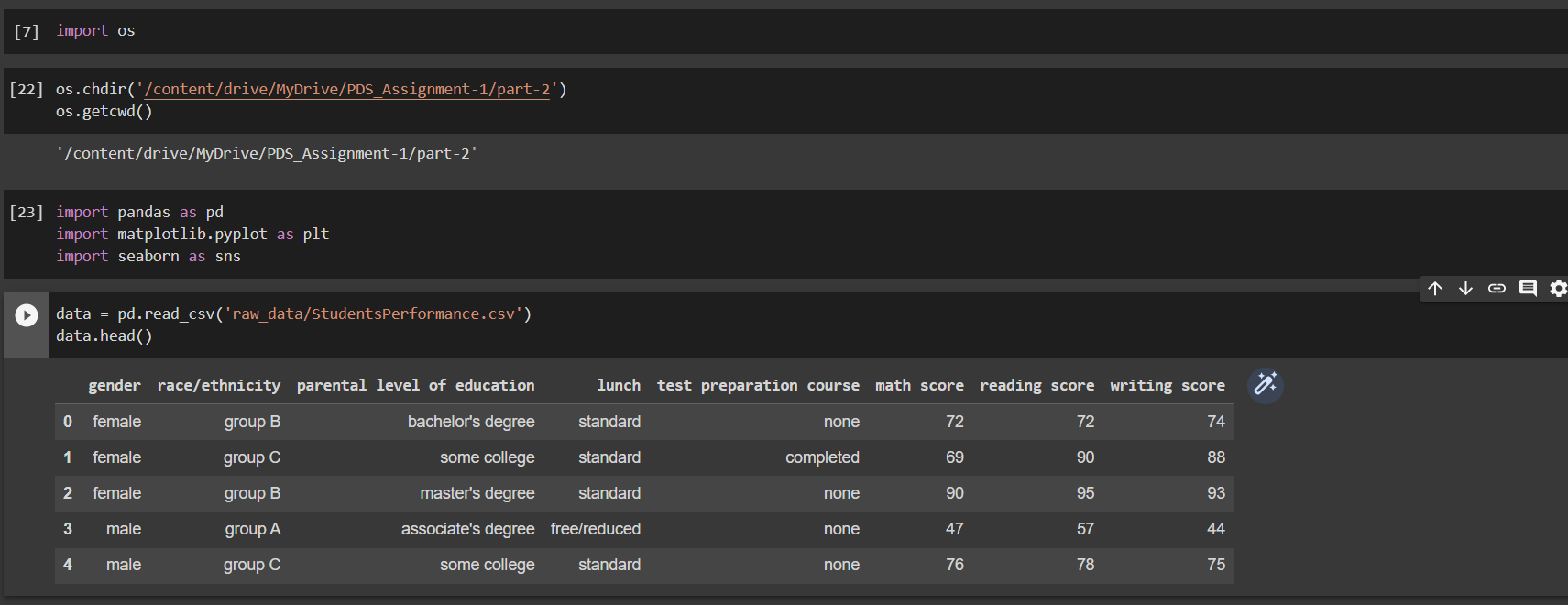
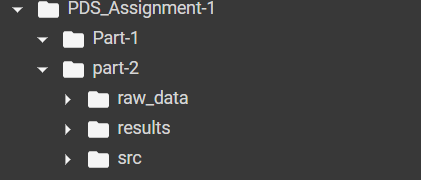
**1.Data input/collection**

****

loaded the StudentsPerformance.csv file in a python environment using ***pandas*** library.

****

**2. Data processing**

**Graphical user interface, text

Description automatically generated**

Since the data doesn’t have any null values and data types are correct didn’t make any refinements to the data.

**3. Data analysis**

**a)**

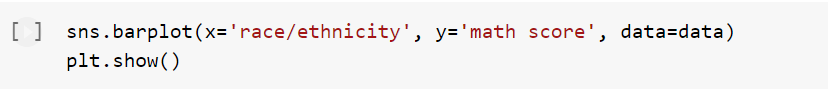
A picture containing text

Description automatically generated

Chart, scatter chart

Description automatically generated

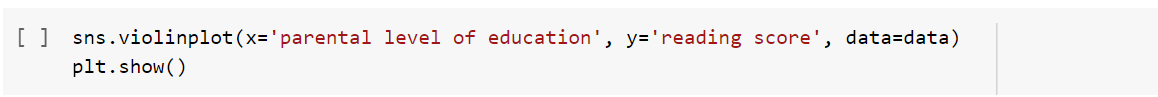
b)



Chart, bar chart

Description automatically generated

c)



This violin part used visualize the parental education and reading score.

Shape, arrow

Description automatically generated

d)

Text

Description automatically generated

This visualization can help identify whether there is a correlation between math scores writing scores and reading scores.

Chart, histogram

Description automatically generated

e)

Text

Description automatically generated

This visualization can help identify whether there is a difference in test scores between students whose parents have different levels of education.

Chart, box and whisker chart

Description automatically generated

Text

Description automatically generated

the folder structure looks like this after ***data analysis*** stage.