Pandas basic

Assignment Questions

Q1. Create a Pandas Series that contains the following data: 4, 8, 15, 16, 23, and 42. Then, print the series.

Q2. Create a variable of list type containing 10 elements in it, and apply pandas.Series function on the variable print it.

Q3. Create a Pandas DataFrame that contains the following data:

Name	Age	Gender
Alice	25	Female
Bob	30	Male
Claire	27	Female

Then, print the DataFrame.

Q4. What is 'DataFrame' in pandas and how is it different from pandas.series? Explain with an example.

Q5. What are some common functions you can use to manipulate data in a Pandas DataFrame? Can you give an example of when you might use one of these functions?

Q6. Which of the following is mutable in nature Series, DataFrame, Panel?

Q7. Create a DataFrame using multiple Series. Explain with an example.

Note: *Create your assignment in Jupyter notebook and upload it in GitHub & share that github repository link through your dashboard. Make sure the repository is public.*