Easy

- Exercise 1: Import Pandas and read a CSV file into a DataFrame called df that contains the headers 'Height', 'Gender', and 'Weight'.
- Exercise 2: Display the first 5 rows of the DataFrame df.
- Exercise 3: Calculate the average height from the DataFrame df.
- Exercise 4: Count the number of males and females in the DataFrame df.
- Exercise 5: Create a new column 'BMI' in the DataFrame df using the formula: BMI = Weight (kg) / (Height (m))^2.

Medium

- Exercise 6: Convert heights from centimeters to meters in the DataFrame df.
- Exercise 7: Filter the DataFrame df to include only records with a BMI above 25.
- Exercise 8: Group the DataFrame df by 'Gender' and calculate the average weight for each gender.
- Exercise 9: Add a column 'WeightClass' to the DataFrame df with values 'Underweight', 'Normal', 'Overweight', or 'Obese' based on BMI thresholds.
- Exercise 10: Using the df DataFrame, find the tallest male and female in the dataset.

Hard

- Exercise 11: Normalize the 'Height' and 'Weight' columns in df so that they have a mean of 0 and a standard deviation of 1.
- Exercise 12: Merge df with another DataFrame df_exercise that includes columns 'ExerciseHours' and 'ID', matching the rows based on an 'ID' column that you need to add to both DataFrames.
- Exercise 13: From the DataFrame df, identify any outliers in the 'Weight' column using the IQR (Interquartile Range) method.
- Exercise 14: Create a categorical encoding for 'Gender' in the DataFrame df where 'Male' is 0 and 'Female' is 1.
- Exercise 15: Using the DataFrame df, calculate the Pearson correlation coefficient between 'Height' and 'Weight'.