Deciphering Decisions

Assignment 0

May 7, 2024

Problem 1. Download and visualize data using yFinance.

    (a) Download data using yFinance library of any ticker of your choice. (Time Frame - Jan'23 to Jan'24).

    (b) Visualize data in dataframe using pandas.

    (c) Plot the closing price of data using matplotlib library.

    (d) (optional) Make the plot more beatiful using Plotly.

Problem 2. Compare the outcome plots with actual plots on trading view.

Problem 3. Create a Python function that transposes a given matrix. The function should take a 2D list representing the matrix as input and return the transposed matrix.

Problem 4. Create a Python function that checks whether a given string is a palindrome or not. The function should return True if the string is a palindrome and False otherwise. Ignore whitespace and punctuation when checking for palindromes.