Classroom Assignment <Week1:Day1:2>: Fibonacci Series in Java

Learning Objective:

The goal of this Java program is to calculate and print the Fibonacci Series for a specified range.

Expected Completion Time:

Best Case: 15 minutes
Average Case: 20 minutes

Assignment Details:

- To find Fibonacci Series for a given range
- input(range): 8

Requirements:

- User input for the desired range of the Fibonacci series.
- Displaying the generated Fibonacci series as the program output – 0, 1, 1, 2, 3, 5, 8, and 13.

Hints to Solve:

- Use a loop to generate the Fibonacci series within the specified range.
- Initialize variables to keep track of Fibonacci numbers and update them iteratively.
- Ensure the loop continues until the next Fibonacci number exceeds the given range.

Expected Outcome:

- Learn to use For loop for a defined number of iterations
- Learn to setup initialization, condition and increment / decrement

Shortcuts: To get the for syntax handy

- Type for →ctrl+ Space + down arrow + Enter(Choose an array for looping)

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