Tutorial 03

L05 - Loops and Conditional Statements
L06 - Time complexity

 Write a program in MATLAB to read 10 numbers from keyboard and find their sum and average.

- Write a program in MATLAB to display the n terms of harmonic series and their sum.
- 1 + 1/2 + 1/3 + 1/4 + 1/5 ... 1/n terms
- Expected Output:
 - >> 1/1 + 1/2 + 1/3 + 1/4 + 1/5 +
 - >> Sum of Series upto 5 terms: 2.283334

- Write a program in MATLAB to print the Floyd's Triangle.
- 1
- 01
- 101
- 0101
- 10101

 Write a MATLAB program to keep asking for a number until you enter a negative number. At the end, print the sum of all entered numbers. USE WHILE LOOP.

Write a MATLAB code to search a given element in a sorted array.

Find its time complexity T(n)?

Hint: Use binary search

 Write a pseudocode algorithm (Iterative and Recursive) to reverse the contents of the array.

Find the time complexity of the algorithm.