

Analysis and Design of Algorithms  
Summer Semester III 2020-21  
**Lab - 2 Topics: Data Structure : Binary Search Tree**

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In the lab, we would be exploring Binary search tree.

## EXERCISE

1. Create a binary search tree by reading the inputs from file 'numbers.txt'. Display the inorder walk of the tree. [HackerRankProblem](#)
2. Compute the lowest common ancestor of binary search tree. Take the input from user after displaying the binary tree (in -order walk) [HackerRank Problem](#)

## HELP

To read One dimensional data from txt file

```
1 # Python program for reading from file
2 file = open('numbers.txt', 'r')
3
4 # Reading from the file
5 content = file.readlines()
6
7 # Array for storing
8 array = []
9 # Iterating through the content
10 for line in content
11     array.append(line.rstrip())
12
13 print(array)
```