Practice Session_III

ECE 3060 Data Structure and Algorithms

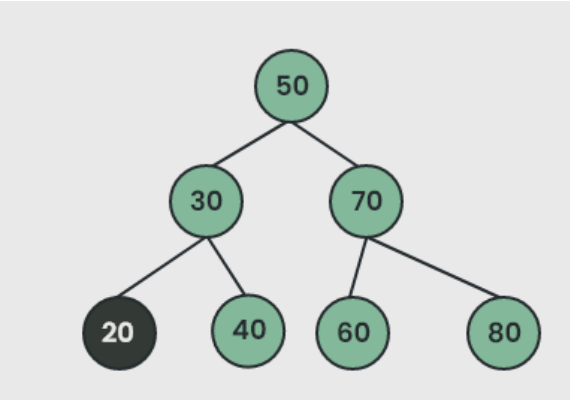
I Semester 2023-2024

Instructions: 1.

1. Solution to the assignment should be a .c program and submitted on Moodle (LMS).
2. Name the solution file as .c. For instance if your roll number is 2019-MIIT-ECE-001, the name of your file should be 2019-MIIT-ECE-001-no1.c. Upload only the main program, which should have the solution for the problem statement given in this assignment.

No1. Given a Binary Search Tree (BST) and a range low and high, display the leaf nodes that lie in the given range low-high (exclusive) and display the internal nodes that lie in the given range low-high (exclusive).

SAMPLE INPUT



SAMPLE OUTPUT

```
Enter -1 to stop
Enter the element: 50
Enter the element: 30
Enter the element: 70
Enter the element: 20
Enter the element: 40
Enter the element: 60
Enter the element: 80
Enter the element: -1

 Enter the low number for leaf node15

 Enter the high number for leaf node90

 Enter the low number for internal node20

 Enter the high number for internal node66

 The leaf node between 15 and 90 areNode-20Node-40Node-60Node-80
 The internal node between 20 and 66 areNode is 50Node is 30
```