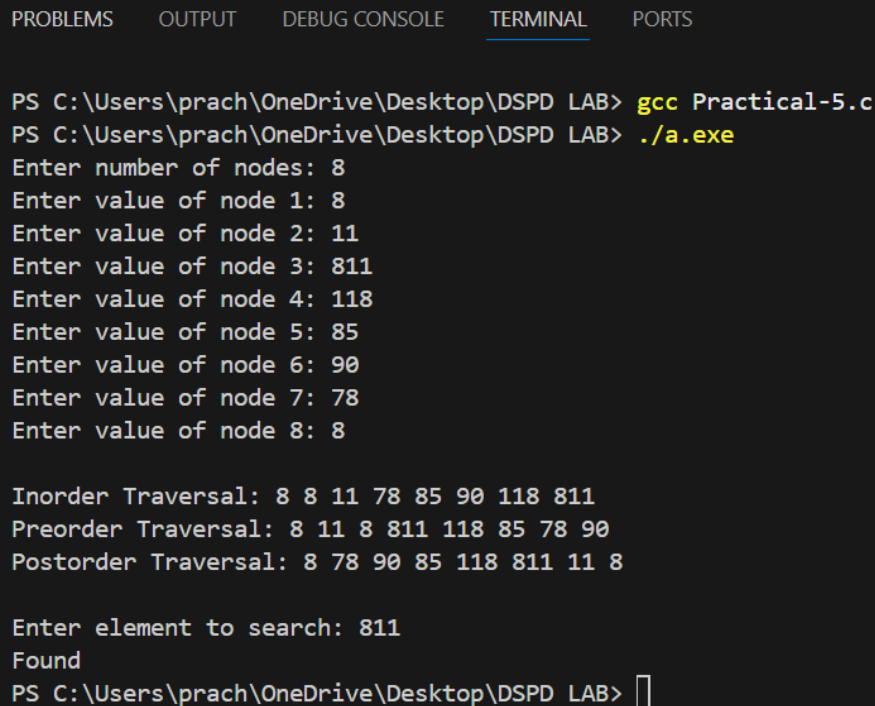


DATA STRUCTURE AND PROGRAM DESIGN LAB – 05

Write a program to insert Number of Nodes in the Binary Tree and Traverse in Inorder , Preorder and Post Order and Search an element in Binary Tree(Display NULL if not found, If found Display Found)

SAMPLE OUTPUT:

SAMPLE OUTPUT:



The screenshot shows a terminal window with a dark background and light-colored text. At the top, there are tabs labeled 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL' (which is selected and underlined), and 'PORTS'. The terminal content shows the following sequence of commands and outputs:

```
PS C:\Users\prach\OneDrive\Desktop\DSPD LAB> gcc Practical-5.c
PS C:\Users\prach\OneDrive\Desktop\DSPD LAB> ./a.exe
Enter number of nodes: 8
Enter value of node 1: 8
Enter value of node 2: 11
Enter value of node 3: 811
Enter value of node 4: 118
Enter value of node 5: 85
Enter value of node 6: 90
Enter value of node 7: 78
Enter value of node 8: 8

Inorder Traversal: 8 8 11 78 85 90 118 811
Preorder Traversal: 8 11 8 811 118 85 78 90
Postorder Traversal: 8 78 90 85 118 811 11 8

Enter element to search: 811
Found
PS C:\Users\prach\OneDrive\Desktop\DSPD LAB> 
```