

LAB REPORT

DSA Lab : 4

Binary Search Tree Using Arrays:

Output:

Inserting Nodes:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\regal\Documents\dsalab4> & 'c:\Users\regal\.vscode\extensions\ms-vscode.cpptools-1.12.4-win32-x64\de
din=Microsoft-MIEngine-In-p0dw1wld.enc' '--stdout=Microsoft-MIEngine-Out-vwrzgt3h.py2' '--stderr=Microsoft-MIEngi
e-Pid-uminrtqy.i5t' '--dbgExe=C:\msys64\mingw64\bin\gdb.exe' '--interpreter=mi'
The tree is currently Empty.
How many nodes of the tree?5
Enter Element 0:6
Enter Element 1:4
Enter Element 2:7
Enter Element 3:9
Enter Element 4:5

647-5-9---Enter a key to search: █
```

Searching Node:

```
The tree is currently Empty.  
How many nodes of the tree?5  
Enter Element 0:6  
Enter Element 1:4  
Enter Element 2:7  
Enter Element 3:9  
Enter Element 4:5  
  
647-5-9---Enter a key to search: 7  
The key exists at the node :2  
Key to delete: █
```

Deleting Node:

```
e-Pid=pmis1330.712 --dbgexe=C:\msys64\mingw64\bin\gdb  
The tree is currently Empty.  
How many nodes of the tree?5  
Enter Element 0:6  
Enter Element 1:4  
Enter Element 2:7  
Enter Element 3:9  
Enter Element 4:5  
  
647-5-9---Enter a key to search: 7  
The key exists at the node :2  
Key to delete: 5  
  
647---9---  
PS C:\Users\regal\Documents\dsalab4> █
```