Kathmandu University

Department of Computer Science and Engineering

Dhulikhel, Karve

COMP 202

Lab 3 Report

Submitted By:

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Submitted to:

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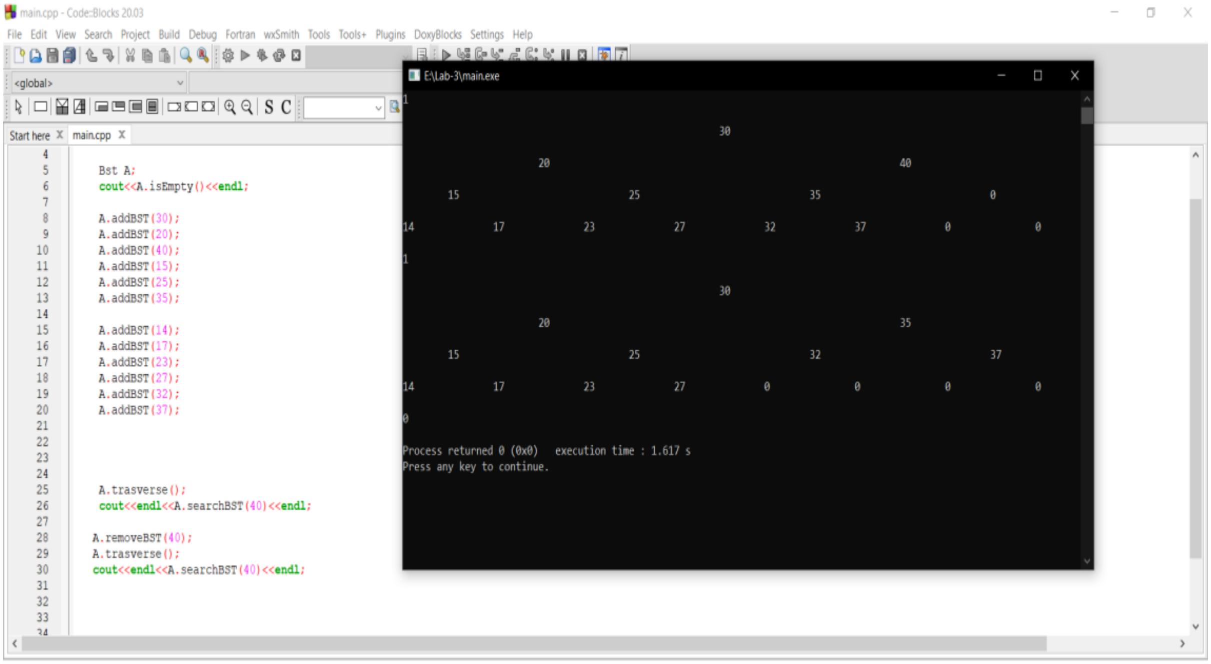
I have done the implementation of BST using arrays.



main.cpp - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
Start here
main.cpp
E:\Lab-3\main.exe

```
    Bst A;
    cout<<A.isEmpty()<<endl;

    A.addBST(30);
    A.addBST(20);
    A.addBST(40);
    A.addBST(15);
    A.addBST(25);
    A.addBST(35);

    A.addBST(14);
    A.addBST(17);
    A.addBST(23);
    A.addBST(27);
    A.addBST(32);
    A.addBST(37);




    A.trasverse();
    cout<<endl<<A.searchBST(40)<<endl;

   A.removeBST(40);
   A.trasverse();
   cout<<endl<<A.searchBST(40)<<endl;
```

```
1

                                                        30

                        20                                                              40

        15                              25                              35                              0

14              17              23              27              32              37              0               0

1

                                                        30

                        20                                                              35

        15                              25                              32                              37

14              17              23              27              0               0               0               0

0

Process returned 0 (0x0)   execution time : 1.617 s
Press any key to continue.
```

Github link: https://github.com/Mohit-42/CE_2019_42_43/tree/ArrayBST