

Assignment 4: CS331(PLL)

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- Contents Of The Zip Folder
 - Three Source file:
 - Question1 : q1_input.hs
 - Question2 : q2_lcm.hs
 - Question3 : q3_bst.hs
 - Test Cases File:
 - input.txt
- Install Data.List.Split Module using following commands
 - cabal update
 - cabal install split

Commands to run the code:

- `$ghc -o object_file_name source_file_name`
- `./object_file_name`

Example:

```
changoi@changoi:~/Desktop/Main/__Study/PLL/Assignment 4/My_code$ ghc -o q3_o q3_bst.hs
[1 of 1] Compiling Main                ( q3_bst.hs, q3_bst.o )
Linking q3_o ...
changoi@changoi:~/Desktop/Main/__Study/PLL/Assignment 4/My_code$ ./q3_o

Enter comma separated list of numbers:
13, 14, 1, 3, -1, 70

[13,14,1,3,-1,70]
Inorder Traversal:
[-1,1,3,13,14,70]

Preorder Traversal:
[13,1,-1,3,14,70]

postorder Traversal:
[-1,3,1,70,14,13]

changoi@changoi:~/Desktop/Main/__Study/PLL/Assignment 4/My_code$
```

- Each code file takes comma separated integers from the command line.
 - **q1_input.hs** takes input and return a list of integers
 - **q2_lcm.hs** takes input and return lcm of integers
 - **q3_bst.hs** takes input, create the BST, returns the preorder, postorder & inorder traversal of the BST