

Project 5

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- The command to compile your project:
- The command you use to compile your project has two parts, one is called the javac command in which you type into the command prompt javac and the and the name of your file so that it could create a .class for that file and the second part is typing in the filename.java into the command line to begin compiling the project.
- Explain what each command line argument means, if any.

I do not have any command line arguments

- Explain if any additional user input is needed by your project.

The only input I have is the word list inside a note pad file.

- The command(s) to execute your project. In general there could be multiple ways to execute a program.
- To execute a program you must first type in the class for the program into the command line, for example mine would be bTree15.class.
- Explain the expected output from each of the different executions of your project.
- The expected output of the program is to display a set of 15 unsorted words and then display the words sorted. The program then builds a tree and finally displays the tree in order traversal

Screen shots:

```
test.txt - Notepad
File Edit Format View Help
zebra
apple
year
beer
cat
tiger
lion
bird
ant
orange
dolphine
shark
wolf
penguin
cheetah
```

```
C:\Windows\System32\cmd.exe
Opening file test.txt and reading word list
Unsorted word list:
zebra apple year beer cat tiger lion bird ant orange dolphine shark wolf penguin cheetah

Sorted Array:
ant apple beer bird cat cheetah dolphine lion orange penguin shark tiger wolf year zebra

Building the full binary tree:
Root of tree contains: lion
Height of tree is: 4
Tree has 15 nodes

an inorder transversal visits nodes in this order:
ant apple beer bird cat cheetah dolphine lion orange penguin shark tiger wolf year zebra
Press any key to continue . . .
```