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Data Structures Lab 9

Running the file:

- It should work with the provided test input file from the original hw assignment (which can be edited or changed of course but it defaults to that)
- The makefile should allow everything to be compiled and run with just
make
main

Discussion:

Binary trees are already more effective when storing and searching through data (especially large amounts of data) than lists or arrays. Balancing the binary tree as items are added or removed means the tree traverses less data in order to find a specific item. This is especially important for very large amounts of data being stored, as the algorithm for storing and sorting through it needs to be as efficient as possible.

Contributions:

Fiona: binary tree functions, lab report, debugging

Ayushi: testing program