

Formal Languages and Compiler Design

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https://github.com/samzirbo/Formal-Languages-and-Compiler-Design
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The Data Structure I chose to implement for the SymTable is HashTable. Given that compilers require fast search and insert operations, HashTable seemed the most suitable, having $O(1)$ for both of them.

The SymTable has 2 attributes: size and table (HashTable - with all necessary operations). The only method is: `getPosition(key)` which will get the position (tuple) of the key, if it exists, or otherwise, it inserts the key and returns the position at which it was added.