

Note:

The test class containing Main method need to add

`package p1;`

In the beginning of the file to invoke the project.

class Sym:

class Sym acts as type of the identifier. For now, the only information in a Sym will be the type of the identifier, represented using a String (such as int, double).

class SymTable:

class SymTable will be used by the compiler to represent a symbol table: a data structure that stores the identifiers declared in the program being compiled (e.g., function and variable names) and information about each identifier (e.g., its type, where it will be stored at runtime).

class DuplicateSymException:

This exception is thrown when attempting to add a item to the HashMap while the HashMap in the list already contains the given name.

class EmptySymTableException:

This exception is thrown when attempting to invoke HashMap while the list in SymTable contains no HashMap