

## Data Structures

- **resultMap**: Map<String, Map<String, Double>>

This will hold the score between each file from project1 mapped to each in project2.  
For e.g., If we have two projects, P1 and P2 with the files as below,

P1	P2
f1.1	f2.1
f1.2	f2.2
	f2.3

Our Map will then contain the following values,

*f1.1 -> (f2.1, a), (f2.2, b), (f2.3, c)*

*f1.2 -> (f2.1, d), (f2.2, e), (f2.3, f)*

- **tree**: ASTTree

This will hold the AST Tree of the file that we are giving as input to the ANTLR Library.

- **projectFiles**: List <File>

This will hold the list of files for a particular project.