

main

### TypeFinder

+ DIRECTORY\_PATH : int  
+ JAVA\_TYPE : int  
+ VALID\_ARGUMENT\_COUNT : int  
- directory : String  
- java\_type : String  
- ref\_count : int  
- java\_file\_as\_string : List<String>  
  
- initFinder(args : String []): boolean  
+ main(arg : String[])  
- getConfiguredASTParser() : ASTParse

### JavaFileReader

+ getAllJavaFilesToString(directory : String) : ArrayList<String>  
+ getFileContentsToString(file : String) : String  
+ getJavaFileNames(directoryPath : String) : ArrayList<String>  
+ isJavaFile(fileName : String) : boolean  
- JavaFileReader()

### TypeVisitor

types : ArrayList<String>  
decCounter : HashMap<String, Integer>  
refCounter : HashMap<String, integer>  
  
+ TypeVisitor()  
+ postVisit(node : AbstractTypeDeclaration) : vo  
- addTypeToList(type : String)  
- incDecCount(type : String)  
- incRefCount(type : String)  
visit (node : ) : boolean <<override>>

### ASTVisitor

+ visit(node : ) : boolean  
+ endVisit()  
+ preVisit()  
+ postVisit()

### AST

+ createInstance()  
+ newAST()  
+ newName()

### ASTParser

+ K\_COMPILATION\_UNIT  
  
+ createAST()  
+ newParser(int : Level)  
+ setKind(int : Kind)  
+ setSource()  
+ createASTs()

### ASTNode

+ accept(visitor : ASTVisitor)  
+ delete()  
+ equals(obj : Object)

CompilationUnit