



Note

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AnalyzerAssignment1

ASTParser

ASTNode

ASTVisitor

pathname and javatype  
provided from user to  
AnalyzerAssignment as  
source code

If contents of directory are  
null,system exits from main

# Sequence Diagram

Sidney  
Sunah  
Kris

main throws IOException,  
FileNotFoundException and  
checks command line arguments to  
see if length of arguments is > 1 . if it  
isnt, it prints an error message. If it is,  
it sets the arguments to pathname  
and java type, displays these values  
in a message, and calls  
accessContentsOfADirectory

accessContentsOfADirectory  
throws IOException if path doesn't  
exist, attempts to only get the files  
that have a .java extension and  
also checks if the directory exists, if  
it does, parse() is called. File[]  
contentsOfDirectory is returned

readFileToString  
throws IOException,  
FileNotFoundException  
, reads file content into  
a string to return.

ASTParser object created, provides filecontent  
for ASTParser

parser.setSource/  
parser.setKind/  
parser.setUnitName

createAST

ASTNode created  
(possibly multiple)

return

ASTVisitor object  
created  
node provided to  
ASTVisitor

accept method called.  
accepts ASTVisitor

visit method called .  
ASTVisitor visits the  
ASTNode

return

gets  
information  
about node  
and prints it

Program  
ends

returns