

Note

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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

Program
ends

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 it
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,
AnalyzerAssignment1 provides filecontent
for ASTParser

returns

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

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about node
and prints it