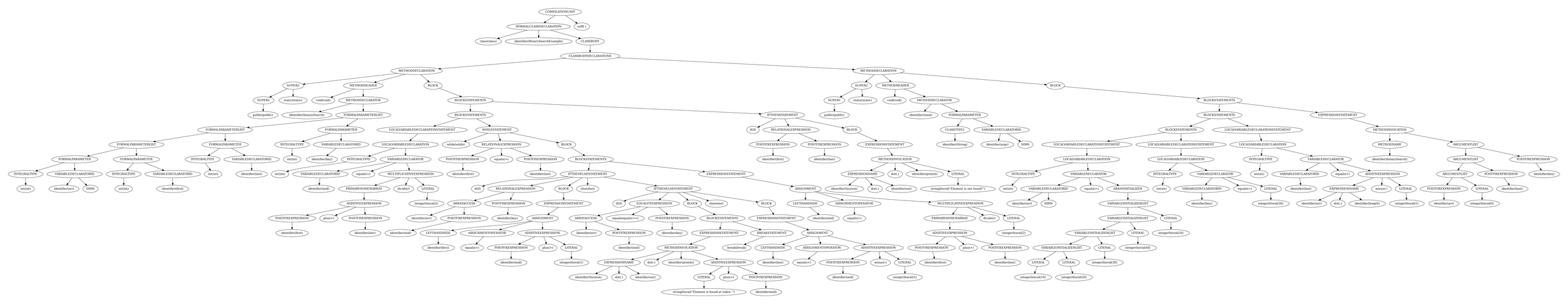
COMPILATIONUNIT
NORMALCLASSDECLARATION
eof( )
class(class)
identifier(BinarySearchExample)
CLASSBODY
CLASSBODYDECLARATIONS
METHODDECLARATION
SUPER2
METHODHEADER
BLOCK
SUPER1
static(static)
void(void)
METHODDECLARATOR
public(public)
identifier(binarySearch)
FORMALPARAMETERLIST
FORMALPARAMETERLIST
FORMALPARAMETER
FORMALPARAMETERLIST
FORMALPARAMETER
INTEGRALTYPE
VARIABLEDECLARATORID
FORMALPARAMETER
INTEGRALTYPE
VARIABLEDECLARATORID
INTEGRALTYPE
VARIABLEDECLARATORID
int(int)
identifier(arr)
DIMS
int(int)
identifier(last)
int(int)
identifier(key)
int(int)
identifier(first)
BLOCKSTATEMENTS
BLOCKSTATEMENTS
LOCALVARIABLEDECLARATIONSTATEMENT
WHILESTATEMENT
LOCALVARIABLEDECLARATION
while(while)
RELATIONALEXPRESSION
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VARIABLEDECLARATOR
POSTFIXEXPRESSION
equals(==)
POSTFIXEXPRESSION
BLOCK
int(int)
VARIABLEDECLARATORID
equals(=)
MULTIPLICATIVEXPRESSION
identifier(first)
identifier(last)
identifier(mid)
PRIMARYNONEWARRAY
divide(/)
LITERAL
ADDITIVEXPRESSION
integerliteral(2)
POSTFIXEXPRESSION
plus(+)
POSTFIXEXPRESSION
ARRAYACCESS
POSTFIXEXPRESSION
identifier(first)
identifier(last)
identifier(arr)
POSTFIXEXPRESSION
identifier(key)
BLOCKSTATEMENTS
identifier(last)
IFTHENELSESTATEMENT
EXPRESSIONSTATEMENT
if(if)
RELATIONALEXPRESSION
BLOCK
elseelse(else)
IFTHENELSESTATEMENT
ASSIGNMENT
if(if)
EQUALITYEXPRESSION
BLOCK
elseelse(else)
LEFTHANDSIDE
ASSIGNMENTOPERATOR
MULTIPLICATIVEXPRESSION
ARRAYACCESS
equalsequals(==)
POSTFIXEXPRESSION
identifier(mid)
equals(=)
PRIMARYNONEWARRAY
divide(/)
LITERAL
identifier(arr)
POSTFIXEXPRESSION
BLOCKSTATEMENTS
ADDITIVEXPRESSION
integerliteral(2)
identifier(key)
EXPRESSIONSTATEMENT
BREAKSTATEMENT
ASSIGNMENT
identifier(mid)
METHODINVOCATION
break(break)
LEFTHANDSIDE
ASSIGNMENTOPERATOR
ADDITIVEXPRESSION
dot(.)
identifier(println)
EXPRESSIONNAME
ADDITIVEXPRESSION
identifier(last)
equals(=)
POSTFIXEXPRESSION
minus(-)
identifier(System)
dot(.)
identifier(out)
LITERAL
identifier(mid)
LITERAL
stringliteral("Element is found at index: ")
integerliteral(1)
identifier(mid)
METHODDECLARATION
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METHODHEADER
BLOCK
SUPER1
static(static)
void(void)
METHODDECLARATOR
public(public)
identifier(main)
FORMALPARAMETER
BLOCKSTATEMENTS
EXPRESSIONSTATEMENT
CLASSTYPE(1)
VARIABLEDECLARATORID
BLOCKSTATEMENTS
LOCALVARIABLEDECLARATIONSTATEMENT
LOCALVARIABLEDECLARATIONSTATEMENT
METHODINVOCATION
identifier(String)
identifier(args)
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LOCALVARIABLEDECLARATIONSTATEMENT
LOCALVARIABLEDECLARATIONSTATEMENT
LOCALVARIABLEDECLARATION
METHODNAME
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LOCALVARIABLEDECLARATION
INTEGRALTYPE
VARIABLEDECLARATOR
INTEGRALTYPE
VARIABLEDECLARATOR
INTEGRALTYPE
VARIABLEDECLARATOR
identifier(BinarySearch)
int(int)
VARIABLEDECLARATORID
equals(=)
ADDITIVEXPRESSION
ARGUMENTLIST
POSTFIXEXPRESSION
identifier(last)
identifier(arr)
ARRAYINITIALIZER
int(int)
VARIABLEDECLARATORID
equals(=)
LITERAL
identifier(key)
ARGUMENTLIST
POSTFIXEXPRESSION
identifier(last)
VARIABLEINITIALIZERLIST
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dot(.)
identifier(length)
minus(-)
LITERAL
integerliteral(30)
identifier(arr)
VARIABLEINITIALIZERLIST
LITERAL
integerliteral(11)
ARGUMENTLIST
POSTFIXEXPRESSION
LITERAL
identifier(last)
VARIABLEINITIALIZERLIST
LITERAL
integerliteral(50)
identifier(arr)
integerliteral(0)
VARIABLEINITIALIZERLIST
LITERAL
integerliteral(40)
VARIABLEINITIALIZERLIST
LITERAL
integerliteral(30)
LITERAL
integerliteral(10)
LITERAL
integerliteral(20)