

Scientific Tree
public ScientificTree()

Assign Tree
public AssignTree()

IA Tree
private Symbol Symbol private int frameOffset = public IA Tree (Token tok) public Symbol getSymbol() public void setFrameOffset (int i) public int getFrameOffset()

RelOp Tree
private Symbol Symbol public RelOp Tree (Token tok) public Symbol getSymbol()

Call Tree
public Call Tree()

Scientific Tree
public Scientific Tree (Token tok) public Symbol getSymbol()

Char Tree
private Symbol Symbol public Char Tree (Token tok) public Symbol Symbol

Decl Tree
public Decl Tree

Float Tree
private Symbol Symbol public Float Tree (Token tok) public Symbol getSymbol()

MultiOp Tree
private Symbol Symbol public MultiOp Tree (Token tok) public Symbol getSymbol()

IntType Tree
public IntType Tree()

FloatType Tree
public FloatType Tree()

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

2017/09/01
1/10/2017

Notes: our child classes of AST
implement accept (ASTVisitor v)

AST

AST

```
public AST()
public void setDescription(AST t)
public AST getDeclaration()
public int getLineNumber()
public AST getKid(int i)
public int kidCount
public AST[] getKids()
public Object addKid(AST kid)
public void setLabel(String label)
public String getLabel
```

while Tree

public whileTree()

boolType Tree

public boolTypeTree()

FunctionDecl Tree

public FunctionDeclTree()

Block Tree

public BlockTree()

Formals Tree

public FormalsTree()

CharType Tree

public CharTypeTree()

UnaryOp Tree

public UnaryOpTree(Token tok)
public Symbol getSymbol()

If Tree

public IfTree()

Return Tree

public ReturnTree()

Int Tree

public intTree(Token tok)
public Symbol getSymbol()

ActualArgs Tree

public ActualArgsTree()

Do Tree

public DoTree()

Program Tree

public ProgramTree()

AddOp Tree

public AddOpTree(Token tok)
public Symbol getSymbol()

(Turn Over)

Visitor

Pintusifor

private void prefSpecs(int num)
public void print(String, AST+)

Note: implements an AstVisitor
Functions except visitKids

ASTN is 1405

public	void	visitHolds (AST +)	
public	Object	visitProgram Tree (AST +)	
public	Object	visitBlockTree (AST +)	
public	Object	visitFunctionDeclTree (AST +)	
public	Object	visitCallTree (AST +)	
public	Object	visitDeclTree (AST +)	
public	Object	visitIntType Tree (AST +)	
public	Object	visitHoodType Tree (AST +)	
public	Object	visitFormalsTree (AST +)	
public	Object	visitActualArgsTree (AST +)	
public	Object	visitIfTree (AST +)	
public	Object	visitWhileTree (AST +)	
public	Object	visitDoTree (AST +)	
public	Object	visitReturnTree (AST +)	
public	Object	visitAssignTree (AST +)	
public	Int		
public	Id		
public	RelOp		
public	MulOp		
public	FloatType		
public	ScientificType		
public	Scientific		
public	Char		
public	CharType		
public	UnaryOp		