

Kind	Properties	Notes
Program	Statements	A program contains a list of statements
FunctionDeclaration	Function, Body	A function declaration builds a FunctionDeclaration node and also a node for the actual function being declared.
Function	Name, Type	The function object built during a function declaration.
FunctionType	parameterTypes, returnTypes	The type that functions have, consisting of the parameter types (in order)
TypeDeclaration	type	A type declaration builds a TypeDeclaration node and also a node for the type being declared. Arrays are never named. Nodes for the predefined types int, float, boolean, string, and void will be built automatically at startup.
ArrayType	baseType	The type of integer values.
ArrayExpression	elements	[x, y, z]
EmptyArray	baseType	[]
VoidType		The bottom type
IntType		The type of integer values.
FloatType		The type of floating point values.
StringType		The type of string values.
LetType		The type of let values.

ConstType		The type of const values
BoolType		The type of boolean values.
StructType	name, fields	A struct type
Field	name, type	A field in a struct type
VariableDeclaration	variable, initializer	A variable declaration will create a VariableDeclaration node and also a node for the actual variable being declared.
Variable	name, readOnly	Created during variable declarations, parameter declarations, and also when processing for-loops, since the iterator of a for-loop is indeed a variable.
ClassDeclaration	Name, members	A class declaration builds a ClassDeclaration node and also a node for the actual class being declared.
Class (Constructor)	Params, body	The class object built during a class declaration
ClassType	Names	Public, private
Assignment	target, source	$v = e$
IfStatement	test, consequent, alternate	Standard if-then-else statement. The else part can be a statement list or another if statement.
ShortIfStatement	test, consequent	If statement without an

		else part.
ForRangeStatement	iterator, low, op, high, body	For loop with low and high values of a range; op is either ..< or ....
ForStatement	iteration, collection, body	Statement for iterating over the elements of an array.
WhileStatement	test, body	Statements of the form while test {...}.
ReturnStatement	expression	A return statement with an expression.
ShortReturnStatement		A return statement without an expression.
BreakStatement		break
ContinueStatement		continue
TryStmt	Tryblock, catchblock,	Try, Catch, both containing expressions and different variables, or both at the same time
Catch		Second part of try catch statement
PrintStatement	arguments	Statement to print text in Cod
BinaryExpression	op, left, right	An expression made from any of the binary operators.
UnaryExpression	op, operand	An expression made from any of the unary operators.
Call	callee, args	f(x, y).