

CodeGeneratorVisitor

+outputCode : StringBuilder
+indentationLevel : int
+filesNstuff : Filehandling
+resultVarStack : Stack<Variable>
+astack : Stack<Variable>
+bstack : Stack<Variable>
+unique : int

+String visit(BaseASTNode node);
..
+Void visit(ConstantExpressionNode node);
+String inden(String txt);
+String functionWithArgs(Variable func);
+String commaSepExprList(ArrayList<ExpressionNode> items);
+String statementBody(ArrayList<BaseASTNode> statements);
+String printFunction(Variable func) ;
+String matrixKernel(String kernelName, String aID, String bID, String resID, String simpleType);
+String makeMatrix(String rows, String cols);
+String makeVector(String rows);
+String complexEntrance(Variable variable);
+String applyBoundsCheck(Variable variable, String code);
+String applySameSizeCheck(Variable matrixA, Variable matrixB, String code);
+String makeFillArray(String id, String, simpletype, String size, String expression);
+String makeFillLoop(String id, String simpleType);