Block — Content — FunctionDeclaration

FunctionName — Identifier
- Name: main
- isType: False
- isArray: False

ReturnType — Identifier
- Name: int
- isType: True
- isArray: False

VariableDeclarationStatement
- VariableType — Identifier
  - Name: int
  - isType: True
  - isArray: False
- VariableName — Identifier
  - Name: x
  - isType: False
  - isArray: False
- assignmentExpression — IntegerExpr: 4

VariableDeclarationStatement
- VariableType — Identifier
  - Name: int
  - isType: True
  - isArray: False
- VariableName — Identifier
  - Name: i
  - isType: False
  - isArray: False
- assignmentExpression — IntegerExpr: 0

Content — Block — Content — while

Condition — BinaryOperator
- Identifier
  - Name: i
  - isType: False
  - isArray: False
- op: <
- IntegerExpr: 3

ExpressionStatement — assignment
- Identifier
  - Name: i
  - isType: False
  - isArray: False
- BinaryOperator
  - Identifier
    - Name: i
    - isType: False
    - isArray: False
  - op: +

Block Block Content

IntegerExpr 1

Name x

Identifier isType False

isArray False

ExpressionStatement assignment

Name x

Identifier isType False

isArray False

Name printf

FunctionName Identifier isType False

isArray False

BinaryOperator op -

ExpressionStatement FunctionCall IntegerExpr 1

StringExpr x=%d

Args

Name x

Identifier isType False

Return ReturnValue IntegerExpr 0

isArray False