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CSCE330
Homework 6
10/26/2017

Use the Clite Grammar to create a parse tree
for the statement i = i + j * k - 3

Statement
|
Assignment
 ├── Identifier
 │ |
 │   i
 ├── =
 └── Expression
        |
        conjunction
        |
        equality
        |
        relation
        |
        Addition
        |
        Term
        ├── Term
        │ |
        │   Factor
        │ |
        │   Primary
        │ |
        │   Identifier
        │ |
        │   i
        ├── AddOp
        │ |
        │   +
        └── Term
              ├── Term
              │   ├── Factor
              │   │ |
              │   │   Primary
              │   │ |
              │   │   Identifier
              │   │ |
              │   │   j
              │   ├── MulOp
              │   │ |
              │   │   *
              │   └── Factor
              │ |
              │   Primary
              │ |
              │   Identifier
              │ |
              │   k
              ├── AddOp
              │ |
              │   -
              └── Factor
                   |
                   Primary
                   |
                   Identifier
                   |
                   Digit
                   |
                   3