

BEAR: Programming Language Definition

Tokens

Digit ::= 0-9
Character ::= a-z | A-Z | _ | .
ID ::= a-z | A-Z | 0-9 | _
Delimiters ::= // | \ | | | [|]

Grammar

Define ::= **Bear** Function
Function ::= Term
Term ::= Add
 | Remove
 | Create
 | Display
 | Graph
 | Node
 | File
 | Operations
Add ::= Graph + [File]
 | Graph + Node
Remove ::= Graph - Node
Create ::= **create**
 | **create** // {ID}* \
 | **create** // {ID}* **from** File \
Graph ::= {ID}*
Node ::= **node** {ID}*
File ::= {ID}* . {ID}*
Operations ::= Graph **operations**