

TokenDataItem extends GenericItemType

- (+)String Token
- (+)Constructors
- (+)String getToken()
- (+)void setToken()
- (+)isLess(GenericItemType a)
- (+)isGreater(GenericItemType a)
- (+)isEqual(GenericItemType a)

Tokenizer

- (+) String infix
- (-)HashMap values
- (-)char[] infixCA
- (-)List tokenList
- (+)Tokenizer()
- (+)void storeInfix()
- (+)initialize()
- (+)List tokenInfix() //returns list of TokenDataItems
- (-)boolean checkID(char c)
- (-)boolean checkOperator(char c)
- (-)boolean checkFunction(String c)
- (-)boolean checkFloat(char c)
- (-)void processFloatIndex(int index)//index of decimal point in char array
- (-)void processFunction(string c)
- (-)void processIdentifier(char c)
- (-)void processOperator(char c)
- (+)HashMap getValues()

Evaluator

- (-)Tokenizer parser
- (-)HashMap values
- (-)List infix
- (-)Stack s1
- (-)Stack s2
- (+)Evaluator()
- (+)void runTokenizer()
- (+)void infixToPostfix()
- (+)void evaluatePostfix()
- (-)TokenDataItem evaluate()
- (-)TokenDataItem evalFunction()

Evaluator→contains(1:1) -> Tokenizer,HashMap,List

Evaluator-> contains(1:2) ->Stack

Tokenizer->contains(1:1)-> HashMap,List