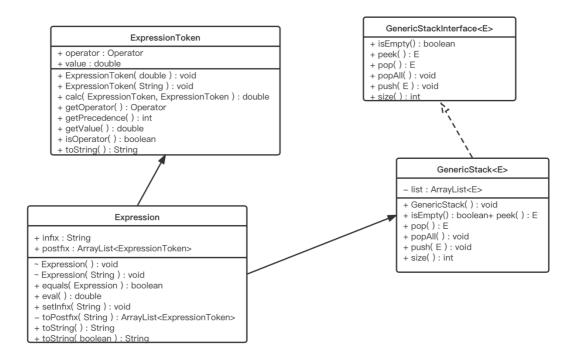
UML Class Relationship Diagram:



UML Diagram of GenericStack

GenericStack<E>

Fields

– list : ArrayList<E>

Constructors

+ GenericStack(): void

Methods

+ isEmpty(): boolean

+ peek(): E

+ pop(): E

+ popAll(): void

+ push(E) : void

+ size(): int

UML Diagram of Expression

Expression

Properties

cachedValue : double

+ infix : String

+ postfix : ArrayList<ExpressionToken>

Constructors

~ Expression(): void

~ Expression(String) : void

Methods

+ equals(Expression) : boolean

+ eval(): double

+ setInfix(String): void

- toPostfix(String) : ArrayList<ExpressionToken>

+ toString(): String

+ toString(boolean) : String

UML Diagram of ExpressionToken

ExpressionToken Properties

+ operator : Operator

+ value : double

Constructors

- + ExpressionToken(double): void
- + ExpressionToken(String): void

Methods

- + calc(ExpressionToken, ExpressionToken) : double
- + getOperator(): Operator
- + getPrecedence(): int
- + getValue(): double
- + isOperator(): boolean
- + toString(): String

UML Diagram of GenericStackInterface

«interface»

GenericStackInterface<E>

Methods

- + isEmpty(): boolean
- + peek(): E
- + pop(): E
- + popAll(): void
- + push(E) : void
- + size() : int