Learning Object-Oriented Programming, Design and TDD with Pharo

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Illustrations

CHAPTER

Expressions solutions

Here are the possible solutions of the implementation we asked for the Expression Chapter ??.

1.1 Evaluate message

```
EConstant >> evaluate
  ^ value

ENegation >> evaluate
  ^ expression evaluate negated

EAddition >> evaluate
  ^ left evaluate + right evaluate

EMultiplication >> evaluate
  ^ left evaluate + right evaluate
```

1.2 Negated message

```
EAddition >>> negated
    ^ ENegation new expression: self

EMultiplication >>> negated
    ^ ENegation new expression: self
```

1.3 Better class instance creation interface

1.4 Printing addition and multiplication

```
EAddition >> printOn: aStream
aStream nextPutAll: '( '.
left printOn: aStream.
aStream nextPutAll: ' + '.
right printOn: aStream.
aStream nextPutAll: ' )'

Emultiplication >> printOn: aStream
aStream nextPutAll: '( '.
left printOn: aStream.
aStream nextPutAll: ' * '.
right printOn: aStream.
aStream nextPutAll: ' * '.
right printOn: aStream.
aStream nextPutAll: ' )'
```

1.5 Negated negation

```
ENegation >> negated
  ^ expression
```

1.6 evaluateWith:

Bibliography