Understanding Messages: Sequence and Cascade

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W2S04

Pharo

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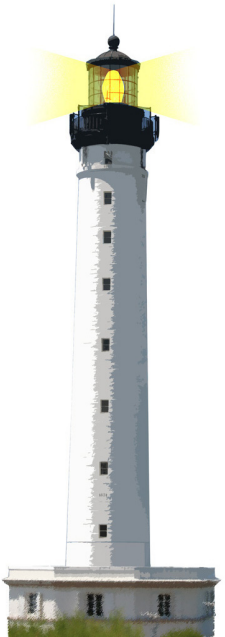

Expression Sequence

. is a separator

```
expression1.
expression2.
expression3
```

Example

```
Transcript cr.
Transcript show: 1.
Transcript show: 2
```

Expression Sequence

- . is a separator, not a terminator
- no need to put one at the end
- no point after temporary variable declaration

```
| macNode pcNode |
macNode := Workstation withName: #mac.
macNode sendPacket: 'Hello World'
```

Cascade: Sending Multiple Messages to an Object

```
Transcript cr.
Transcript show: 1.
Transcript show: 2
```

is equivalent to:

```
Transcript
  cr ;
  show: 1 ;
  show: 2
```

- ; is called a cascade

Cascade Example

Sending Multiple Messages to an Object

```
| c |
c := OrderedCollection new.
c add: 1.
c add: 2
```

is equivalent to:

```
OrderedCollection new
  add: 1 ;
  add: 2
```

- add: 2 is sent to the receiver of message add: 1
- this receiver is the instance of OrderedCollection

What You Should Know

- . is a separator
- ; (cascade) is useful to avoid repeating the receiver
- the cascade returns the last message returned value

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