

Control Structures

```
if () {} if () {} else {} do {} while () while () {} for (;;) {}
```

Conditional Execution

Boolean true false

```
booleanValue ifTrue: [some code].
booleanValue ifFalse: [some code].
```

```
3 < 4 ifTrue: [Transcript cr; show: 'True']
```

```

ifTrue:      ifFalse:
ifTrue:      ifFalse:      ifFalse:

```

```
booleanValue
  ifTrue: [some code]
  ifFalse: [some code].
```

```
booleanValue
  ifFalse: [some code]
  ifTrue: [some code].
```

```
3 < 4
  ifTrue: [Transcript cr; show: 'True']
  ifFalse: [Transcript cr; show: 'False'].
```

```
if () {} else if () {} else {}
```

```
booleanValue
  ifTrue: [some code]
  ifFalse: [booleanValue2
    ifTrue: [some code]
    ifFalse: [booleanValue3
      ifTrue: [some code]
      ifFalse: [some code]]]
```

false

```
[some code]
  whileFalse:
    [more code]
```

```
[some code] repeat
```

```
[(Dialog confirm: 'Continue') ifFalse: [^self]].
Transcript cr; show: 'Continuing'] repeat.
```

Repetition

```
timesRepeat:
```

```
5 timesRepeat: [Transcript cr; show: 'hello']
```

```
to:do:
```

```
1 to: 5 do: [ :index | Transcript cr; show: index printString]
```

```
to:by:do:
```

```
15 to: 1 by: -2 do: [ :index | Transcript cr; show: index
printString].
```

Optimized Messages

