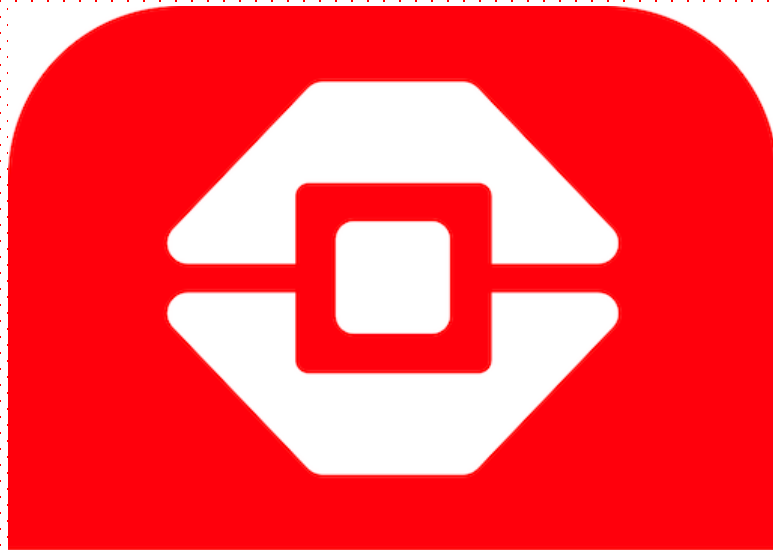


Project components

Lego Minstorms[®] Education EV3 Classroom



Getting Started



1 **Hello World**
Creating Your First Program

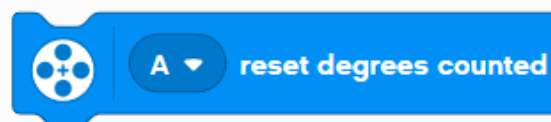
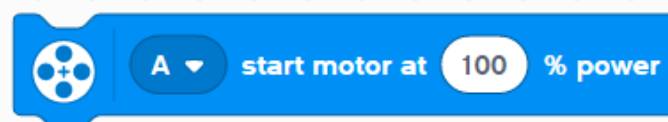
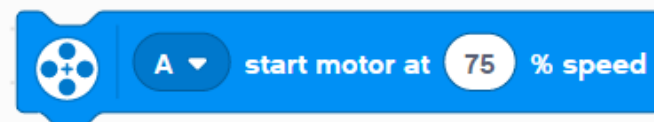
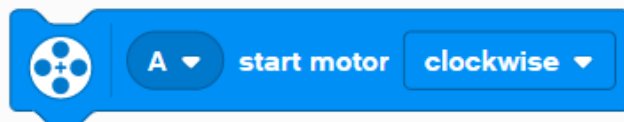
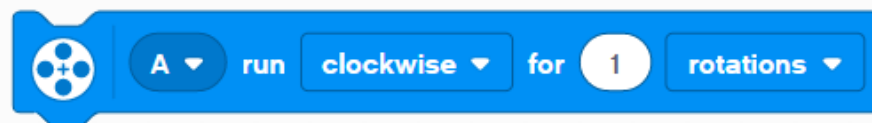


2 **Motors and Sensors**
Controlling Inputs and Outputs

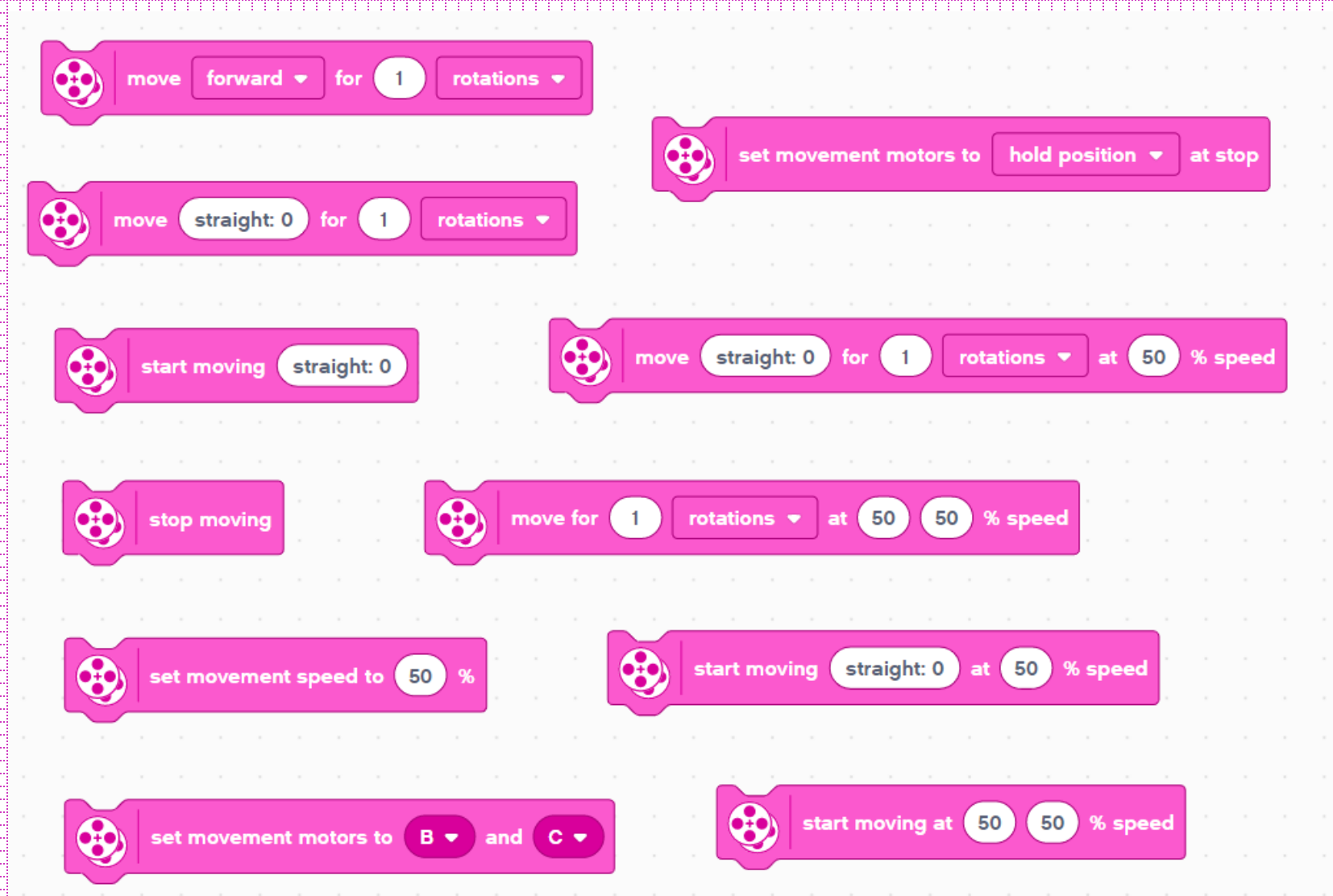


3 **Get Moving**
Building a Driving Base

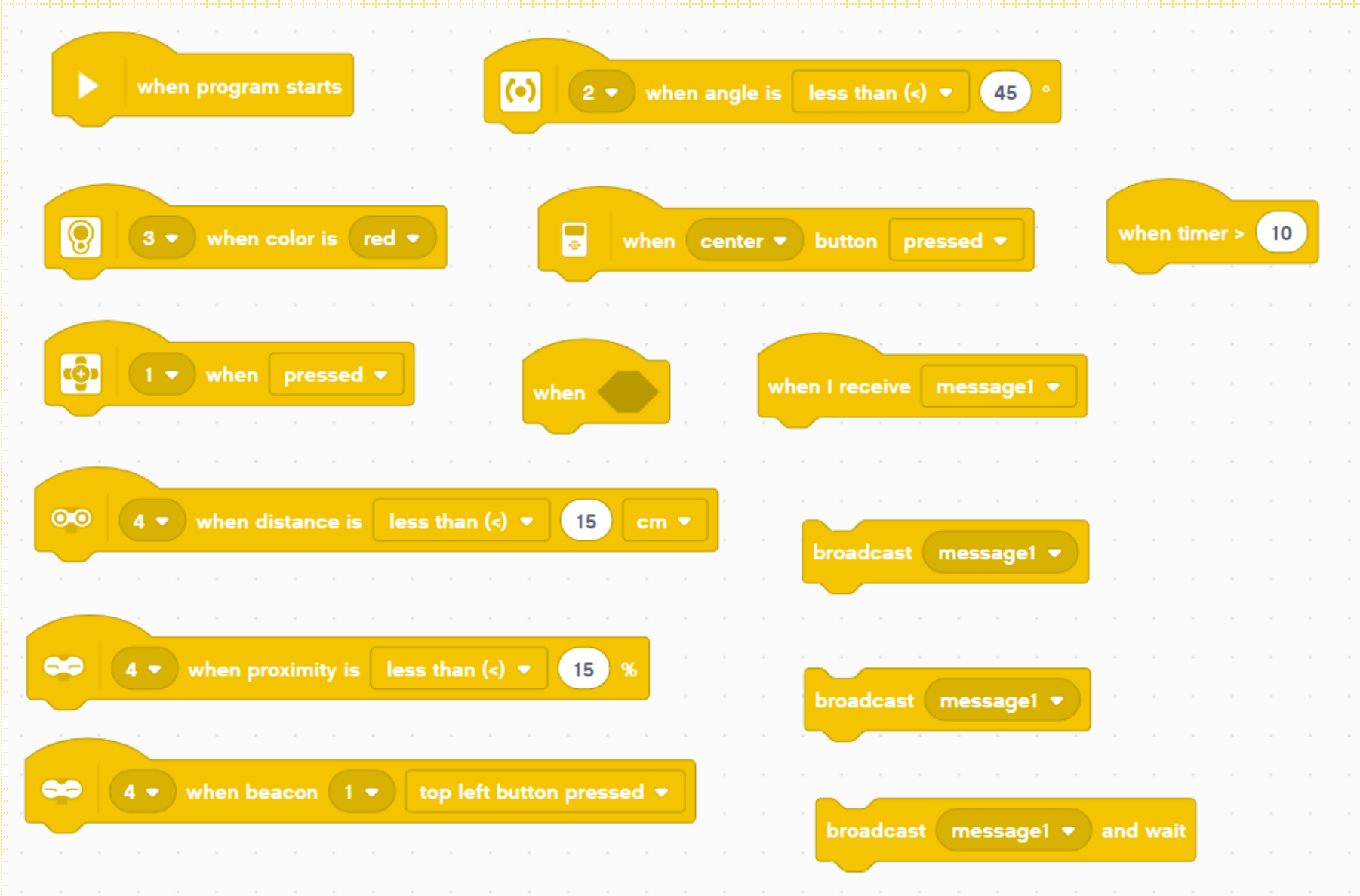
Motors



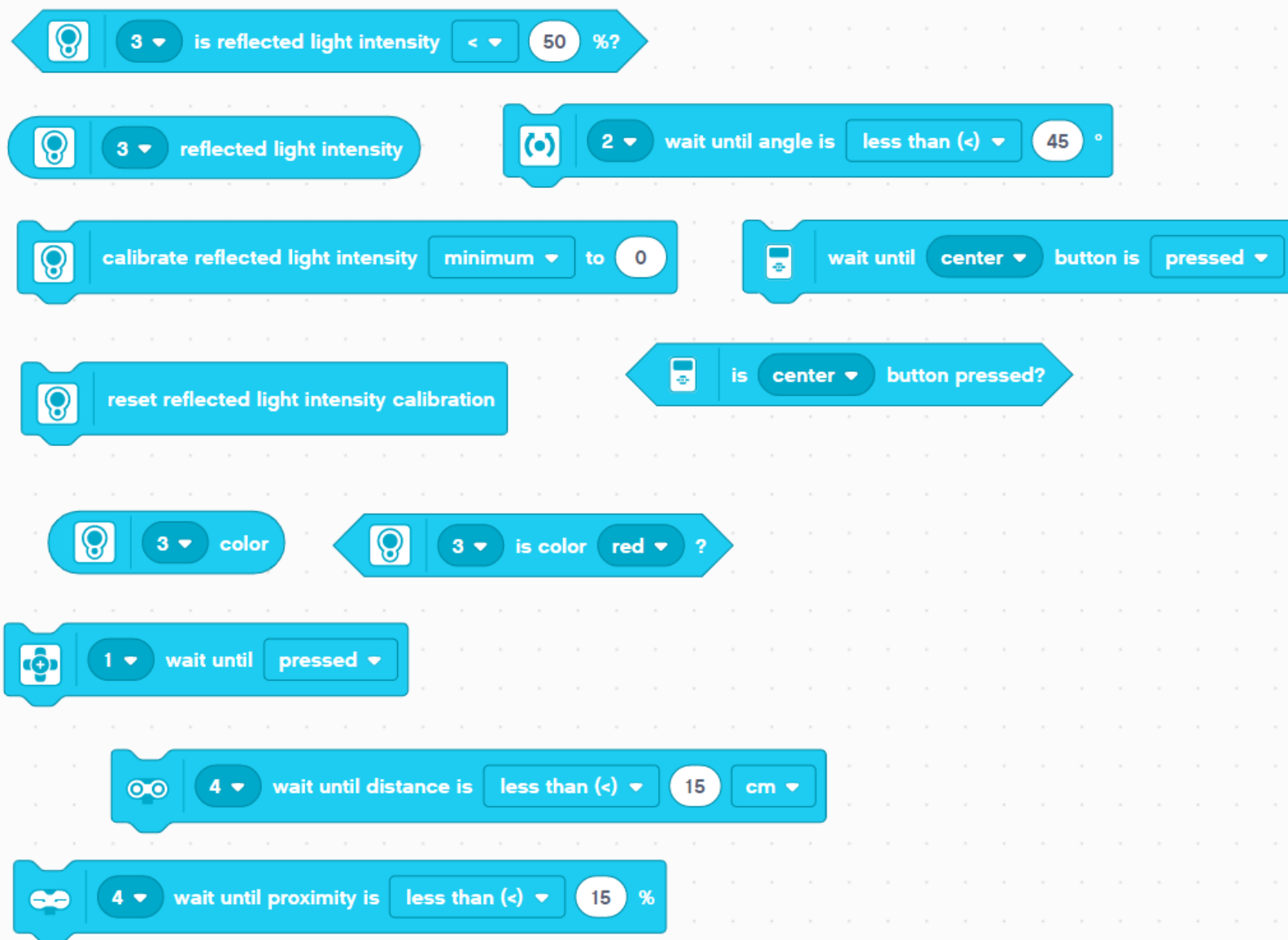
movement



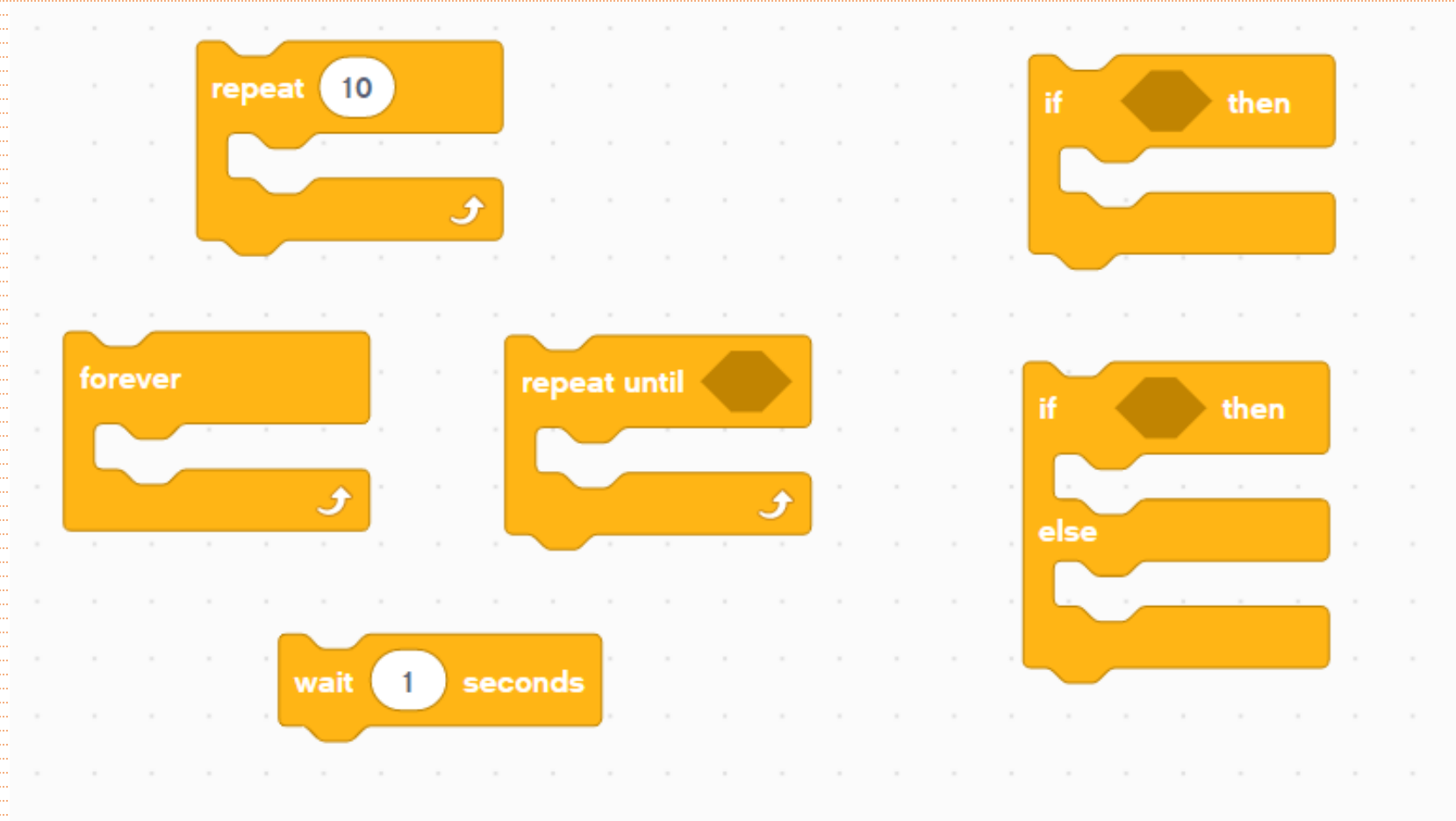
events



sensors

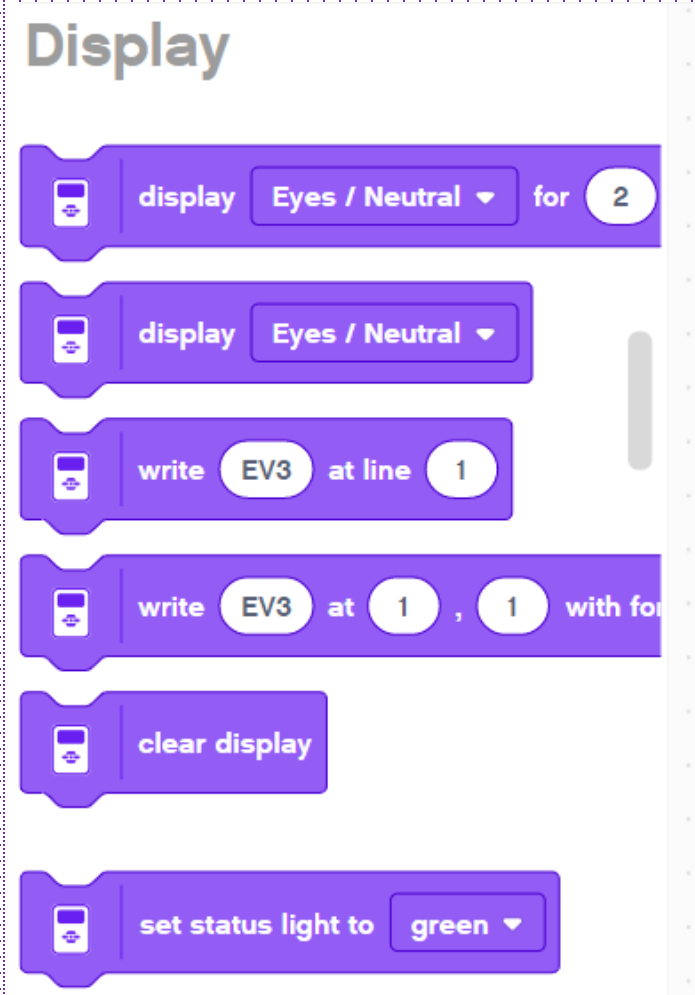


control



Display and sound

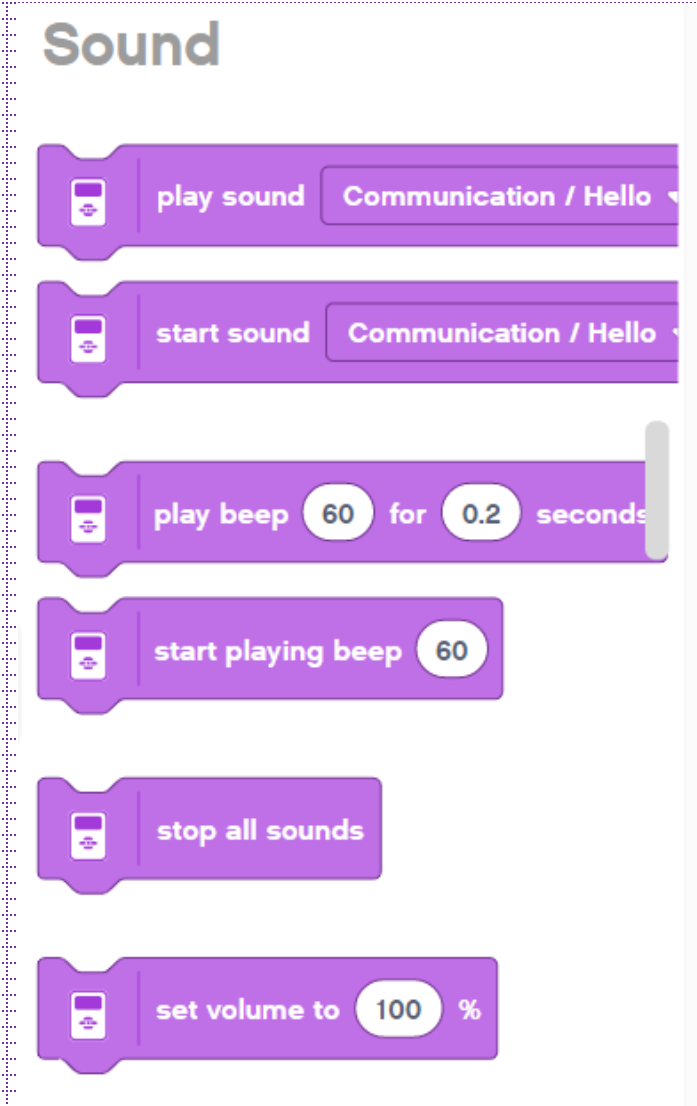
Display



A vertical stack of six purple Scratch code blocks from the Display category. The first block is a 'display' block with 'Eyes / Neutral' selected in the dropdown and '2' in the 'for' field. The second block is a 'display' block with 'Eyes / Neutral' selected. The third block is a 'write' block with 'EV3' in the text field and '1' in the 'at line' field. The fourth block is a 'write' block with 'EV3' in the text field, '1' in the 'at' field, '1' in the 'with for' field, and a partially visible 'for' field. The fifth block is a 'clear display' block. The sixth block is a 'set status light to' block with 'green' selected in the dropdown.

- display Eyes / Neutral ▾ for 2
- display Eyes / Neutral ▾
- write EV3 at line 1
- write EV3 at 1 , 1 with for
- clear display
- set status light to green ▾

Sound



A vertical stack of six purple Scratch code blocks from the Sound category. The first block is a 'play sound' block with 'Communication / Hello' selected in the dropdown. The second block is a 'start sound' block with 'Communication / Hello' selected. The third block is a 'play beep' block with '60' in the frequency field, '0.2' in the 'for' field, and 'seconds' in the unit field. The fourth block is a 'start playing beep' block with '60' in the frequency field. The fifth block is a 'stop all sounds' block. The sixth block is a 'set volume to' block with '100' in the volume field and '%' in the unit field.

- play sound Communication / Hello ▾
- start sound Communication / Hello ▾
- play beep 60 for 0.2 seconds
- start playing beep 60
- stop all sounds
- set volume to 100 %