1

Click ‘ADD DEVICE’
Select device(s) from list

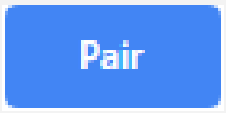
2

Turn on the Light Sensor

3

Click ‘CONNECT’

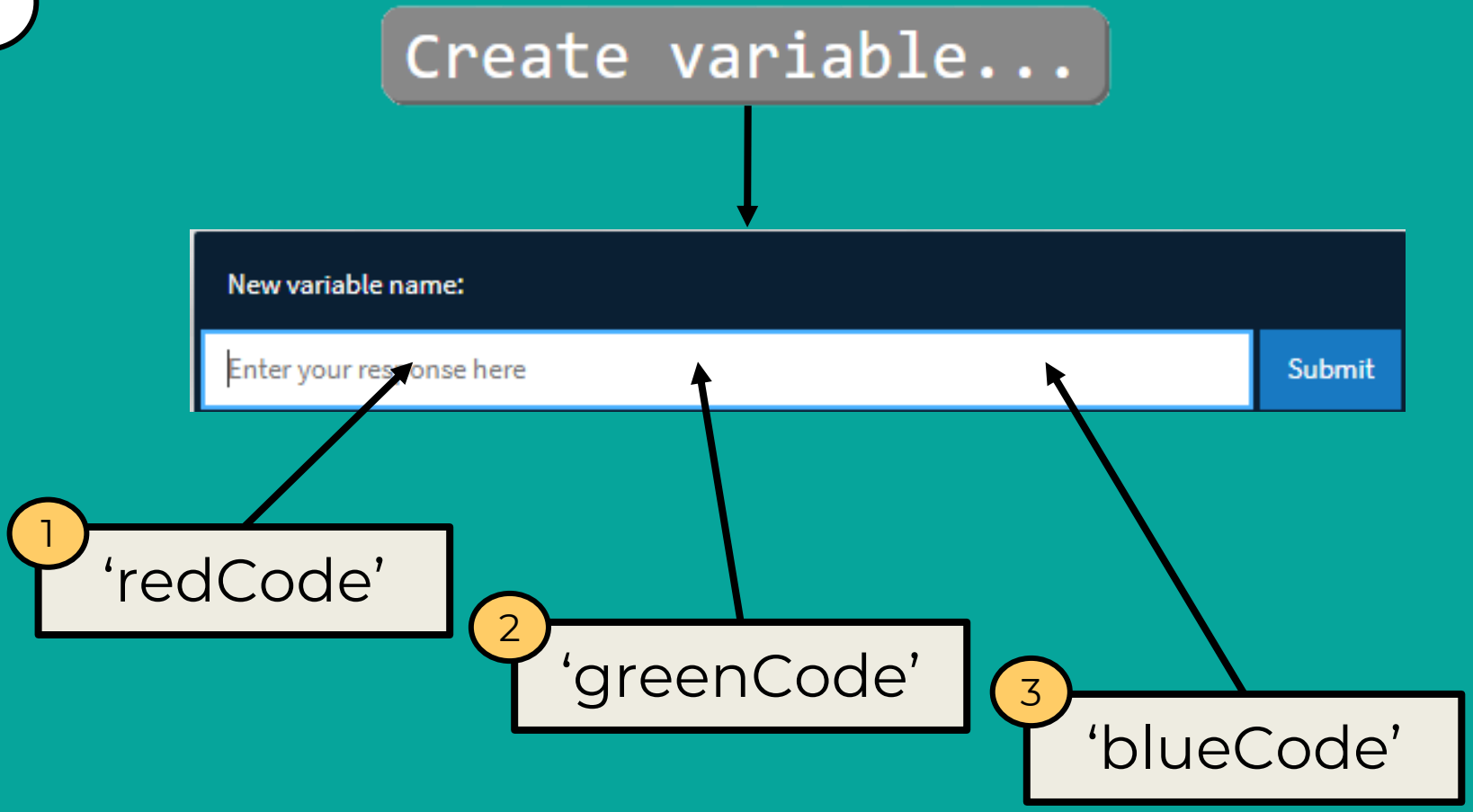
4



Select device from list
Click ‘Pair’

Code a program that asks the user for the color code and changes the Light Sensor to the color defined

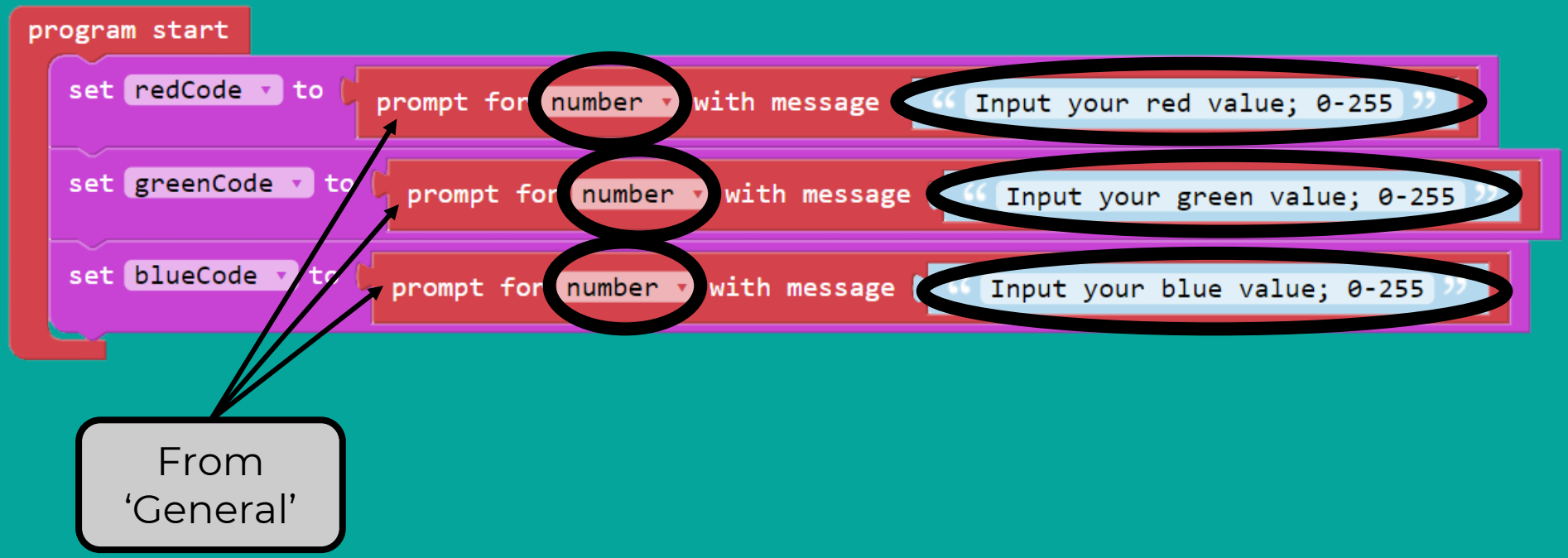
1



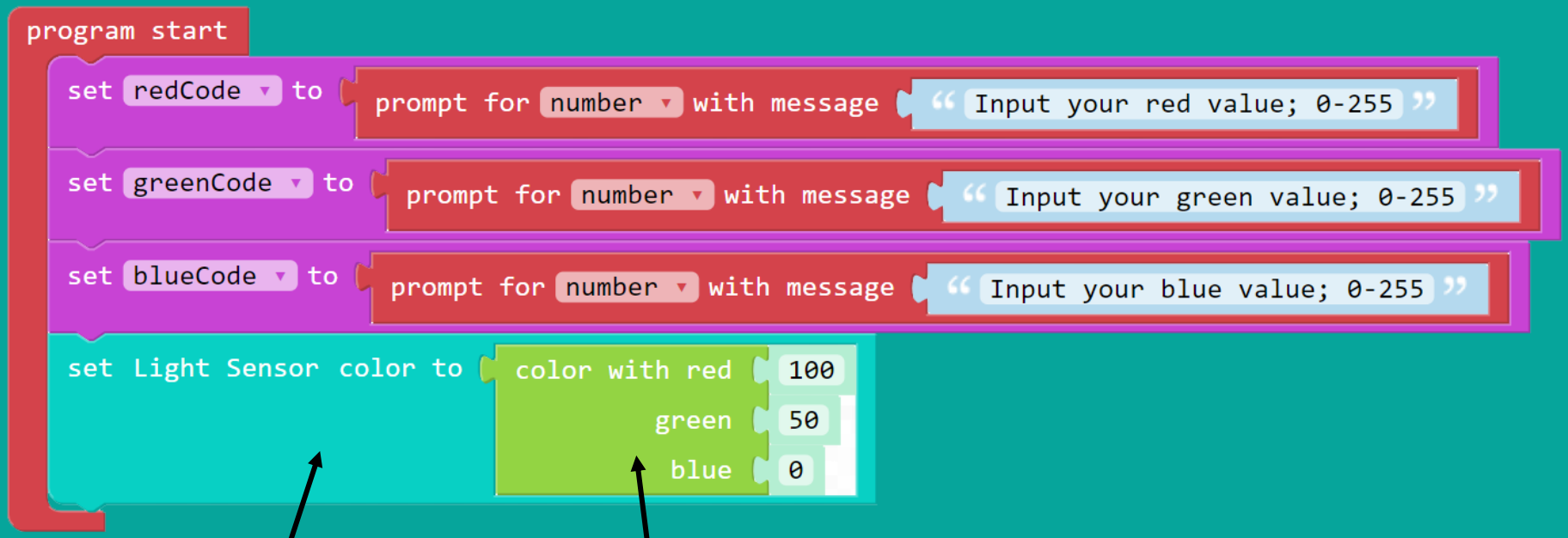
2


program start
set redCode to
set greenCode to
set blueCode to
From 'General'
From 'Variables'

3


program start
set redCode to
prompt for number with message
Input your red value; 0-255
set greenCode to
prompt for number with message
Input your green value; 0-255
set blueCode to
prompt for number with message
Input your blue value; 0-255
From 'General'

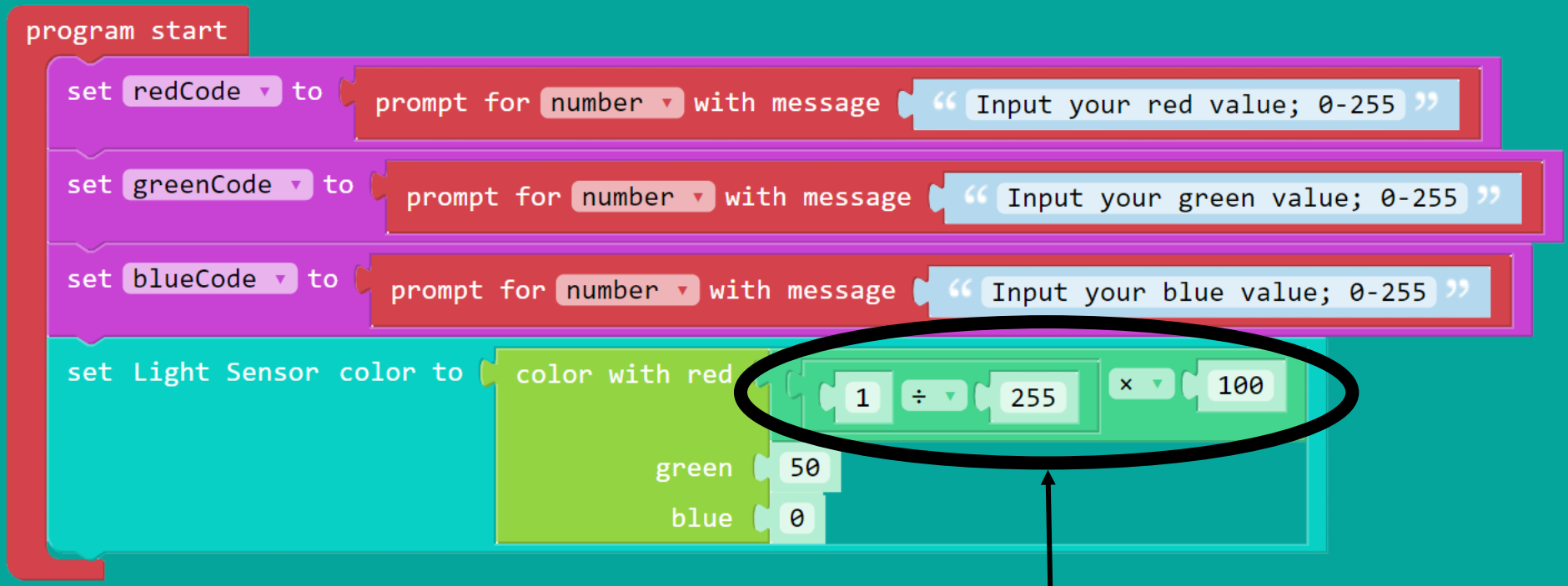
4



From 'Light Sensor' 'Actions'

From 'Color'

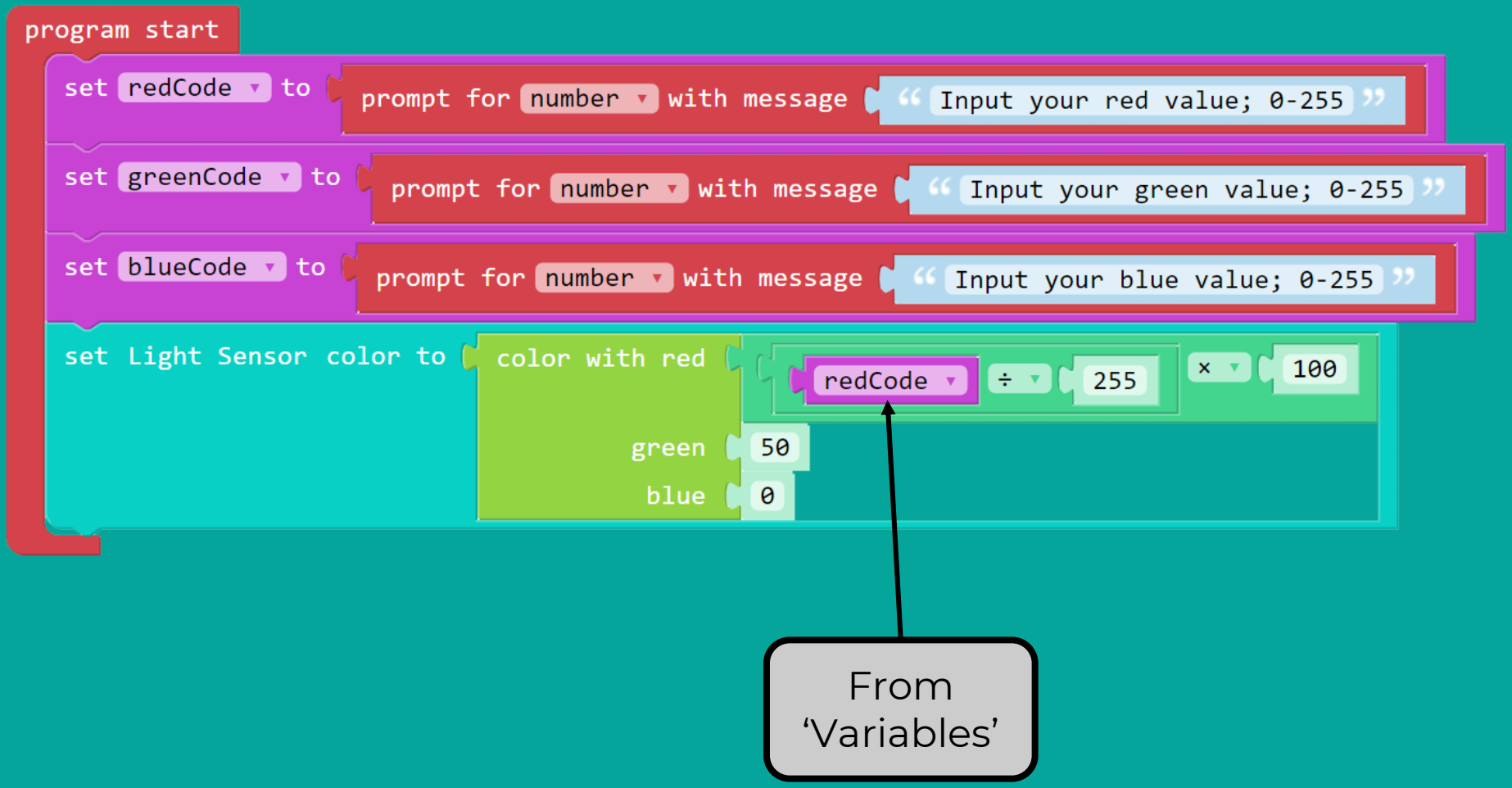
5



From 'Math':

Snap the second block into the first '(1)' section.

6

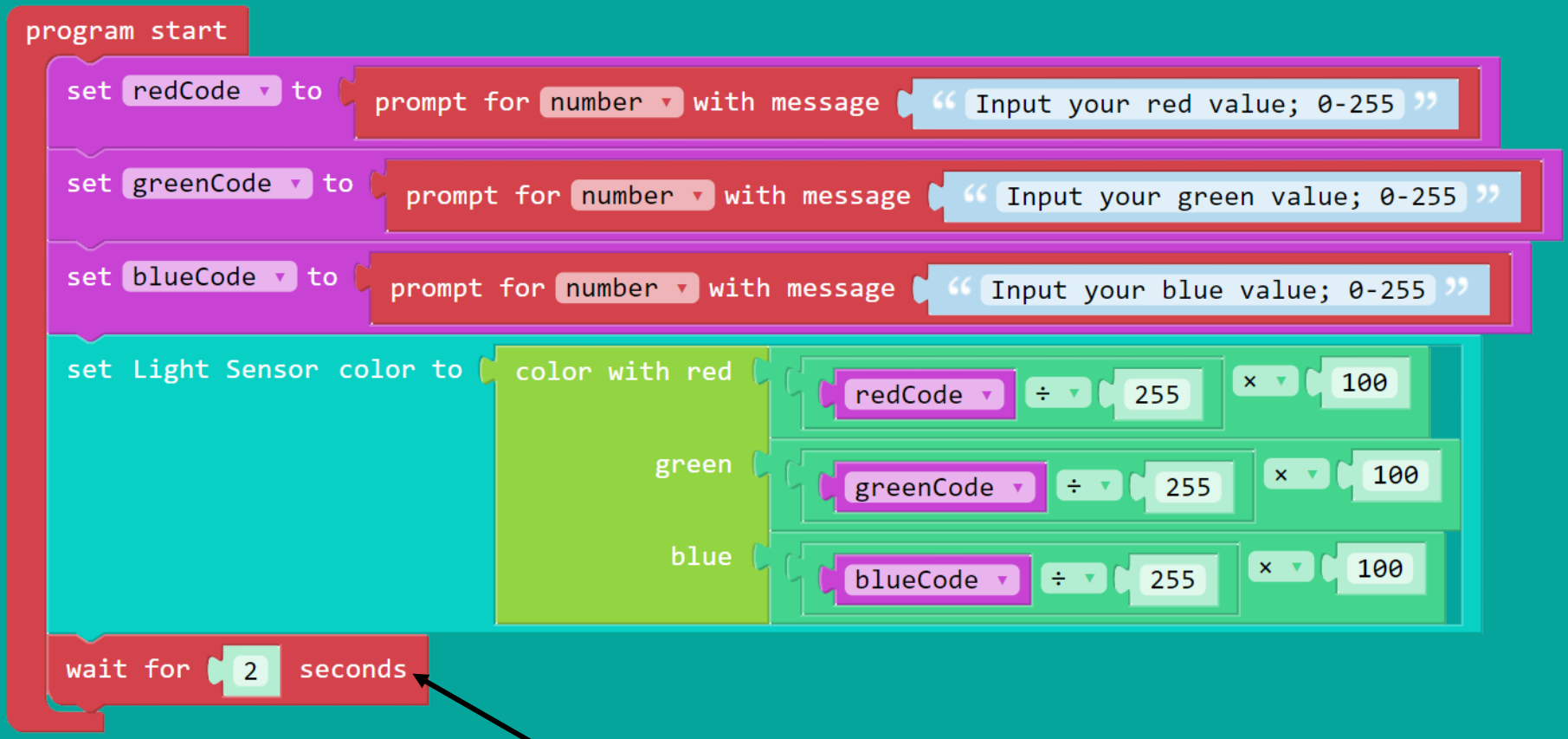

program start
set redCode to
prompt for number with message
Input your red value; 0-255
set greenCode to
prompt for number with message
Input your green value; 0-255
set blueCode to
prompt for number with message
Input your blue value; 0-255
set Light Sensor color to
color with red
redCode
÷
255
×
100
green
50
blue
0
From 'Variables'

7


program start
set redCode to
prompt for number with message
Input your red value; 0-255
set greenCode to
prompt for number with message
Input your green value; 0-255
set blueCode to
prompt for number with message
Input your blue value; 0-255
set Light Sensor color to
color with red
redCode ÷ 255 × 100
green
greenCode ÷ 255 × 100
blue
blueCode ÷ 255 × 100

Duplicate

8



From 'General'

Test your program!
Try entering these RGB codes:

redCode	greenCode	blueCode
255	255	0
255	0	0
128	0	255