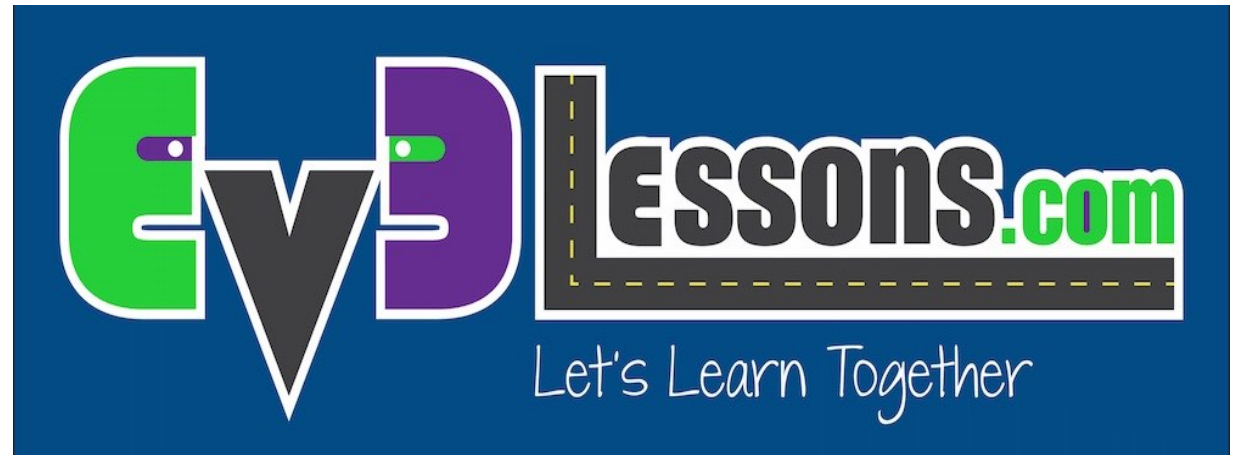


TABLET
LESSONS



REPEATING ACTIONS (LOOPS)

By Sanjay and Arvind Seshan

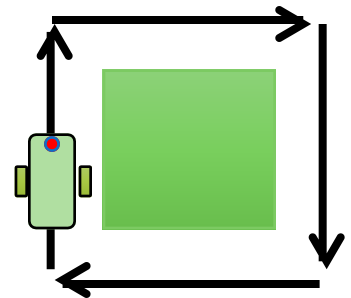


Lesson Objectives

1. Learn how to repeat an action
2. Learn how to use Loop Blocks

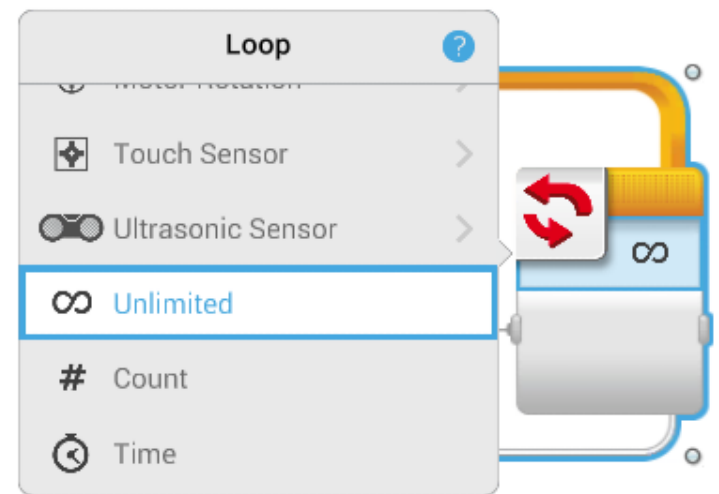
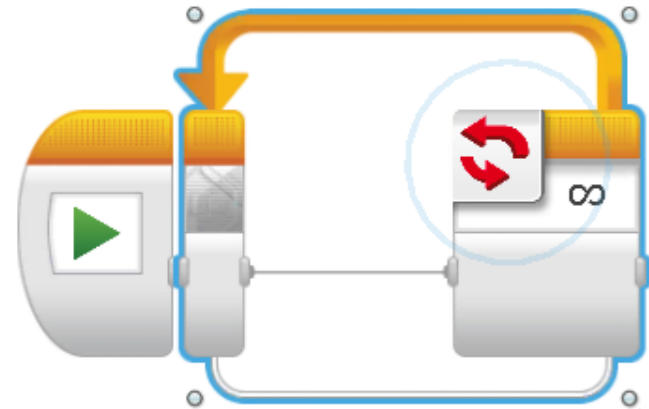
Repeating an Action

- Let's say we want the robot to repeat an action over and over again.
- Would you just copy the block multiple times?
 - *Sure, that could work!*
- What if I want to repeat that block forever?
 - *Now what?*



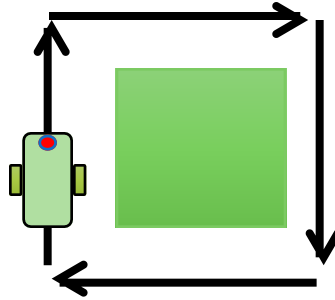
Loops

- Loops make repeating a task multiple times easy
- The added benefit is that a loop can end whenever you want (a specific number of times, run forever, a specific condition, etc)



LOOP CHALLENGE

- Challenge: Write a program to go around a box once.

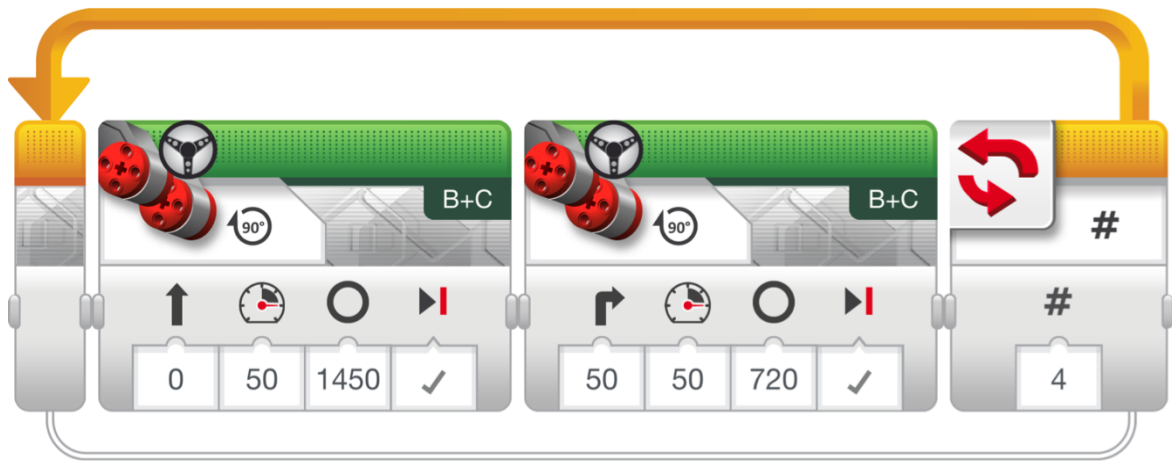


- The simple way is to code it like this:



- Use a loop to improve the code

Loop Challenge Solution



Credits

- This tutorial was created by Sanjay Seshan and Arvind Seshan
- More lessons are available at www.ev3lessons.com



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