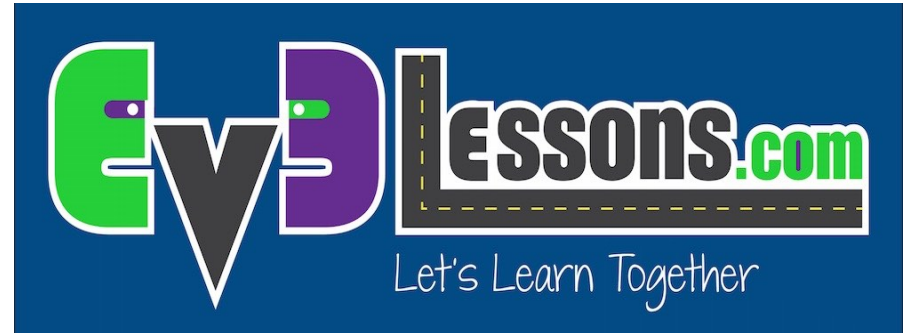


# BEGINNER EV3 PROGRAMMING LESSON



Topics Covered:  
Repeating Actions (Loops)



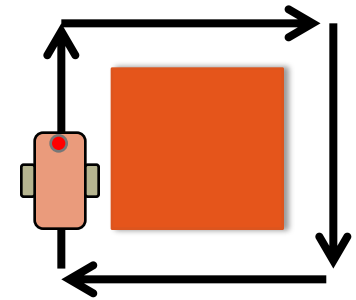
By: Droids Robotics

# LESSON OBJECTIVES

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

# REPEATING AN ACTION

How can we move around a box using the commands we already know?



- (move + turn) + (move + turn) + (move + turn) ...



Is there an easier way?

Hint:

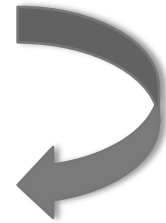


# LOOPS



## Loops make repeating a task multiple times easy

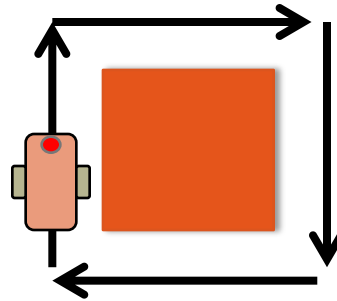
- KEEP GOING....Forever, for a Count, Until touch (or something else)



Repeat the  
loop 4 times

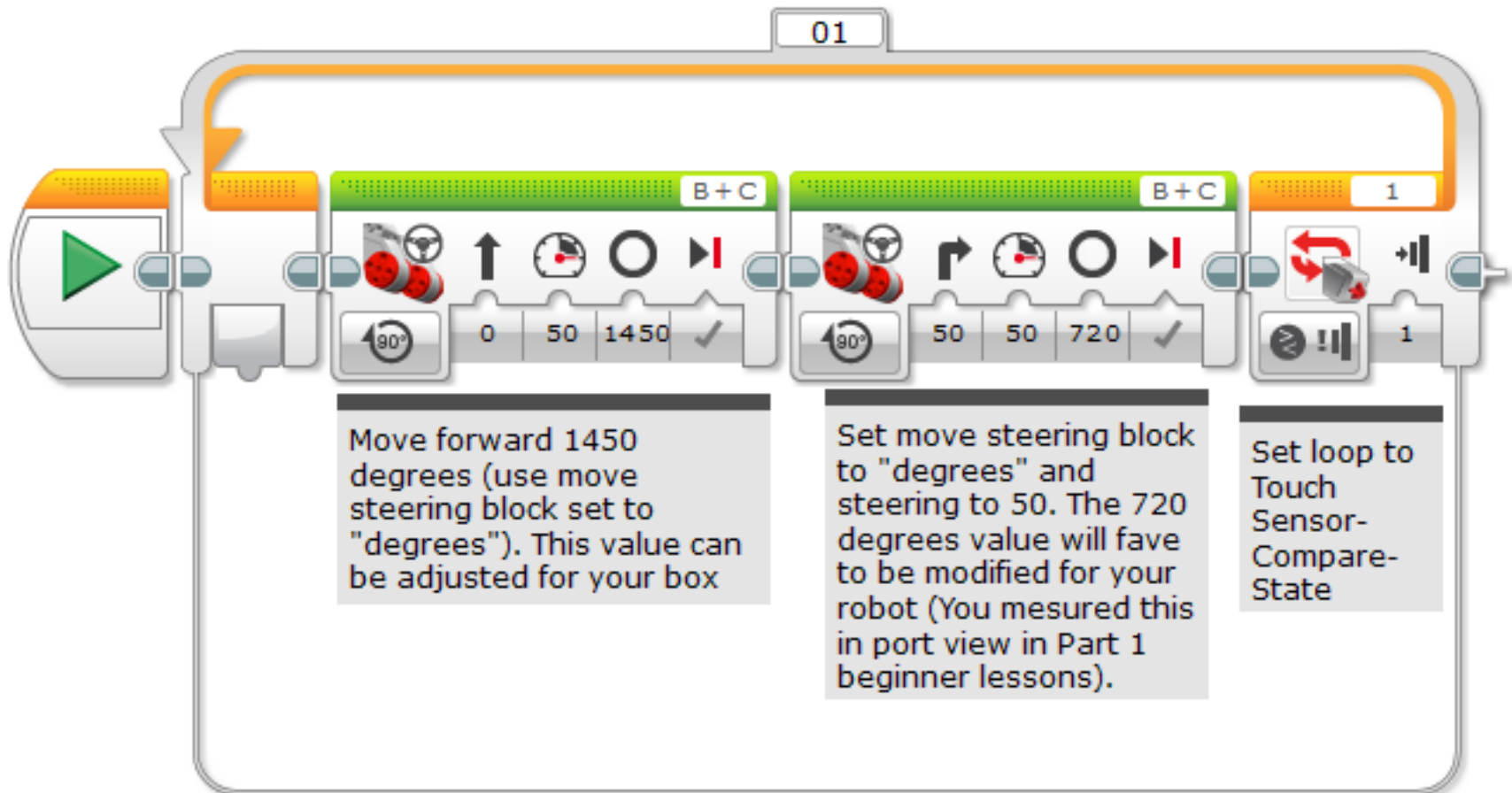
# LOOP CHALLENGE

**Challenge: Write a program to go around a box until touched. You must use a LOOP**



# LOOP CHALLENGE SOLUTION

Challenge: Write a program to go around a box until touched



# CREDITS

- This tutorial was created by Sanjay Seshan and Arvind Seshan from Droids Robotics.
- More lessons are available at [www.ev3lessons.com](http://www.ev3lessons.com)
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