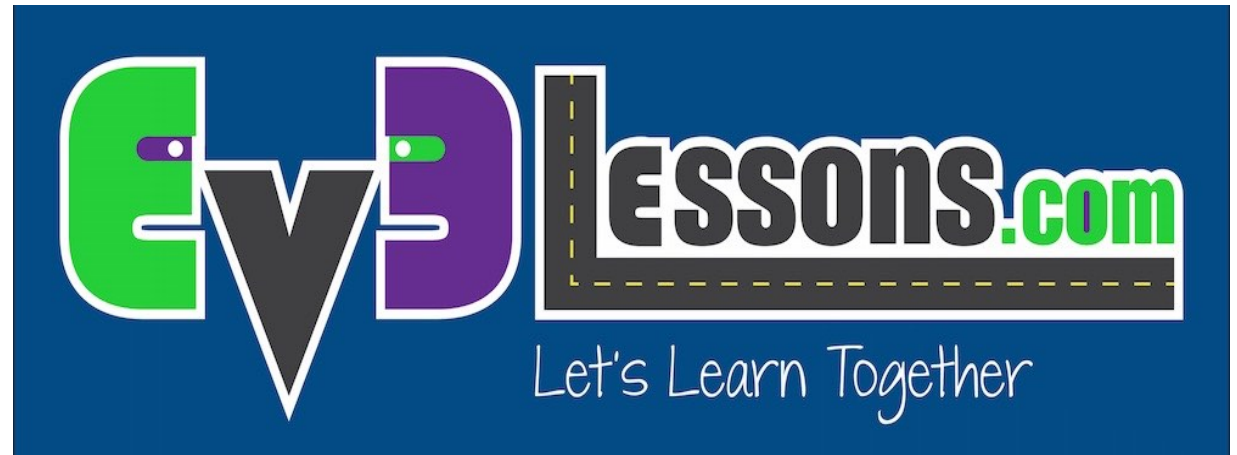


TABLET  
LESSONS



# INTRODUCTION TO THE EV3 BRICK AND SOFTWARE

By Sanjay and Arvind Seshan

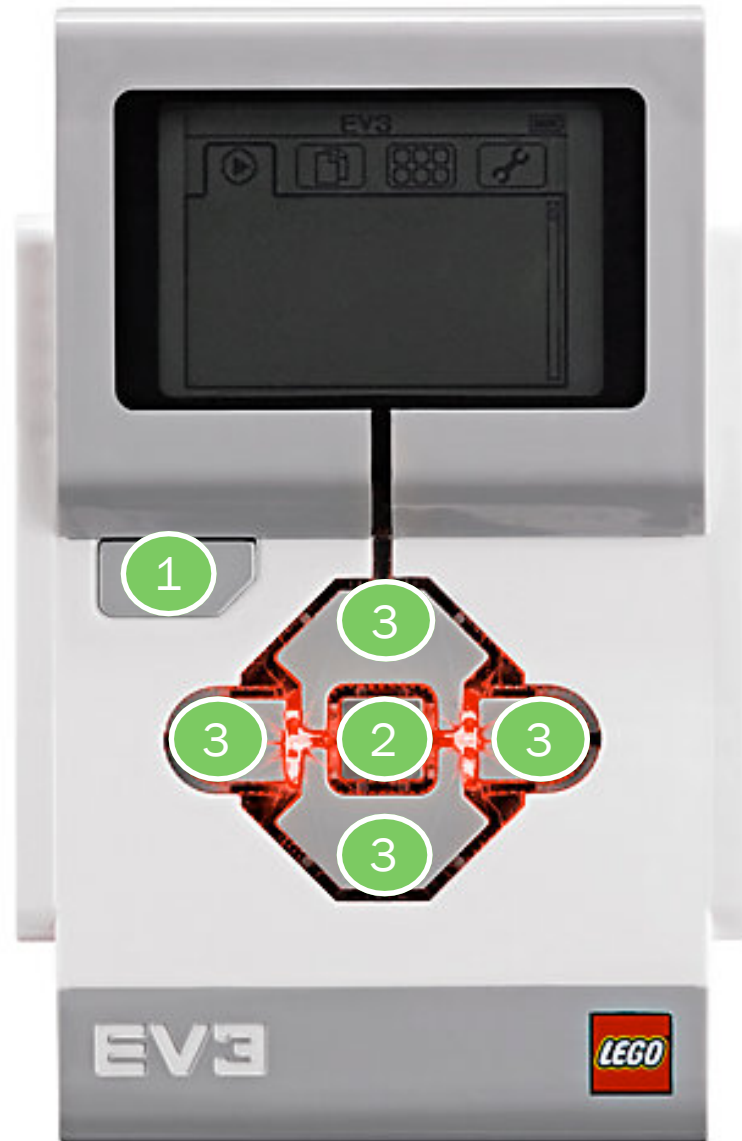


# Lesson Objectives

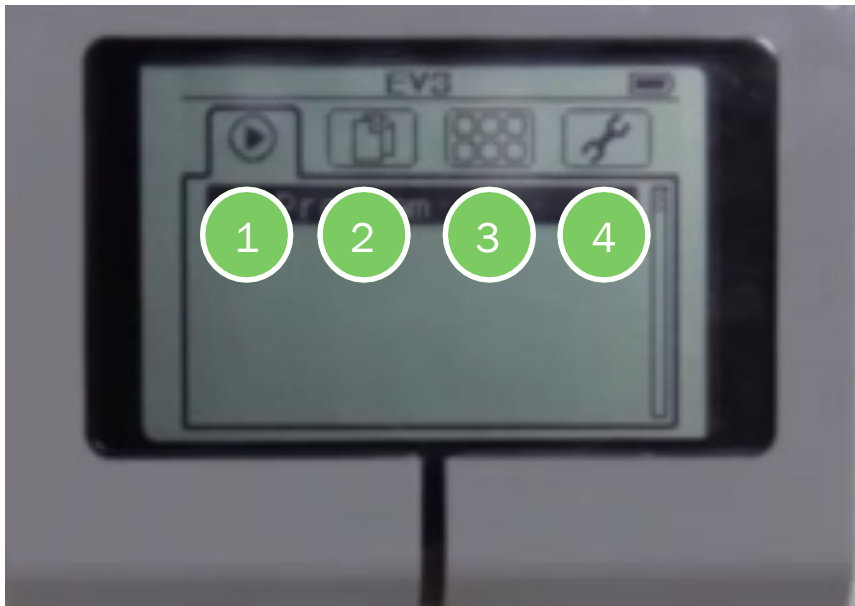
1. Learn how the EV3 brick operates
2. Learn about the main components of the EV3 Programmer App
3. Learn how to create a new program, play/download it, rename it and share it

# The “Brick” Buttons

- 1 = Back  
Undo  
Stop Program  
Turn robot off
- 2 = Centre Button  
Select options  
Run Program  
Turn robot on
- 3 = L, R, Up, Down  
Navigate menus



# The “Brick” Screen



## Tabs on Screen

### 1. Run Recent

Find programs you ran recently

### 2. File Navigation

Find all programs by project

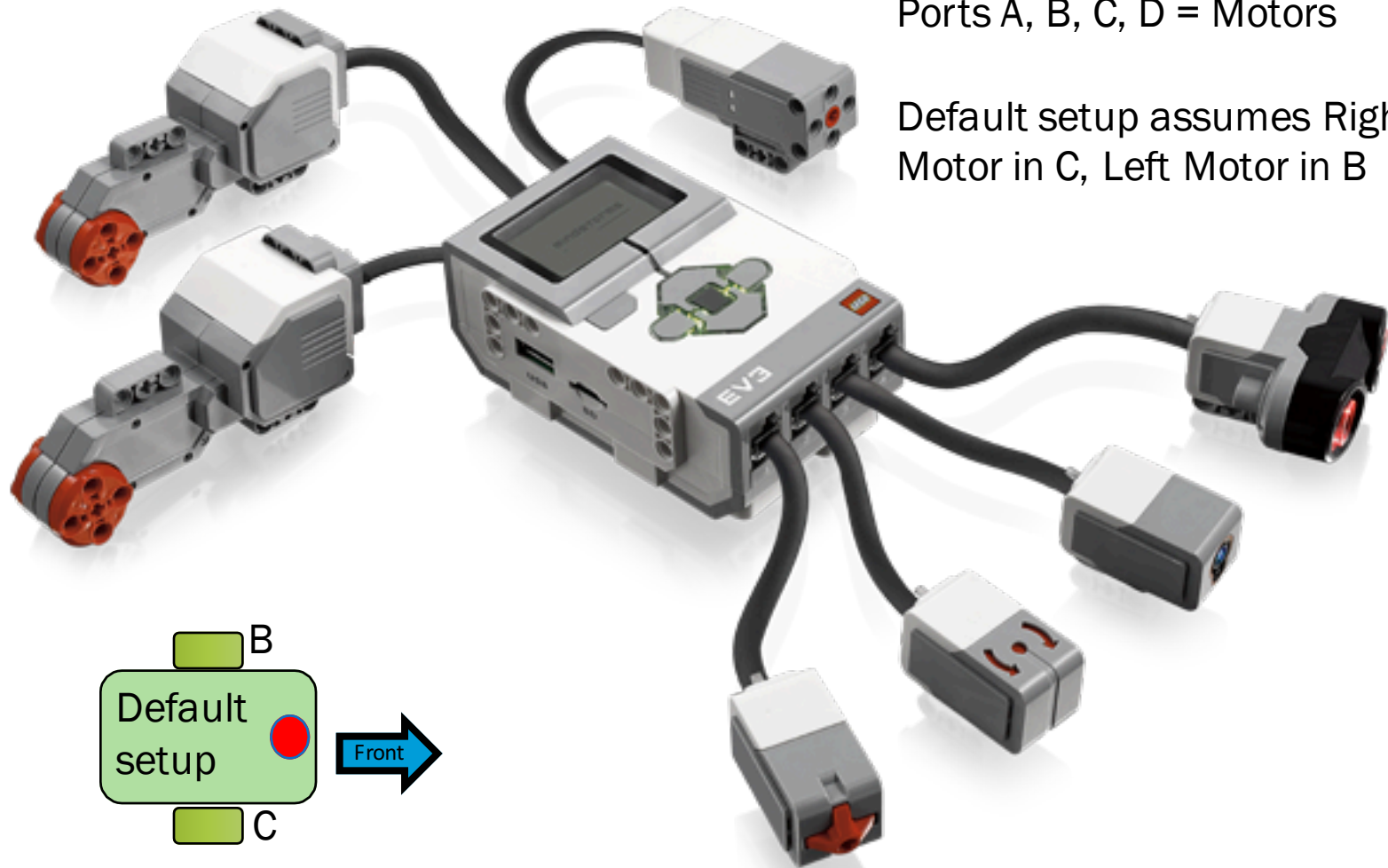
### 3. Brick Apps

Port views

### 4. Settings

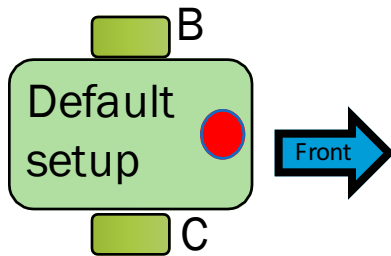
Bluetooth, Wifi, Volume

# Ports, Sensors, Motors



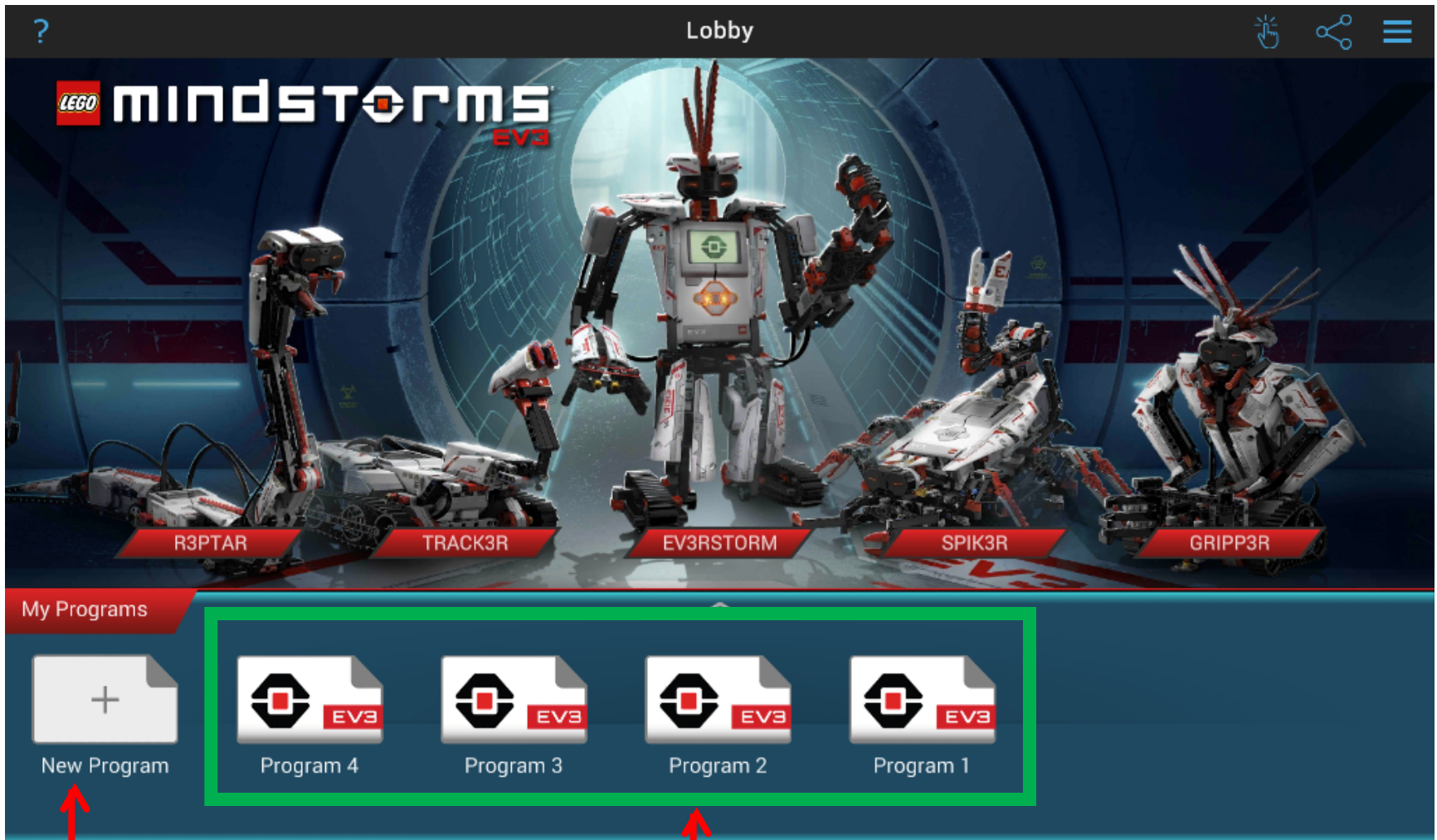
Ports A, B, C, D = Motors

Default setup assumes Right Motor in C, Left Motor in B



Ports 1, 2, 3, 4 = Sensors

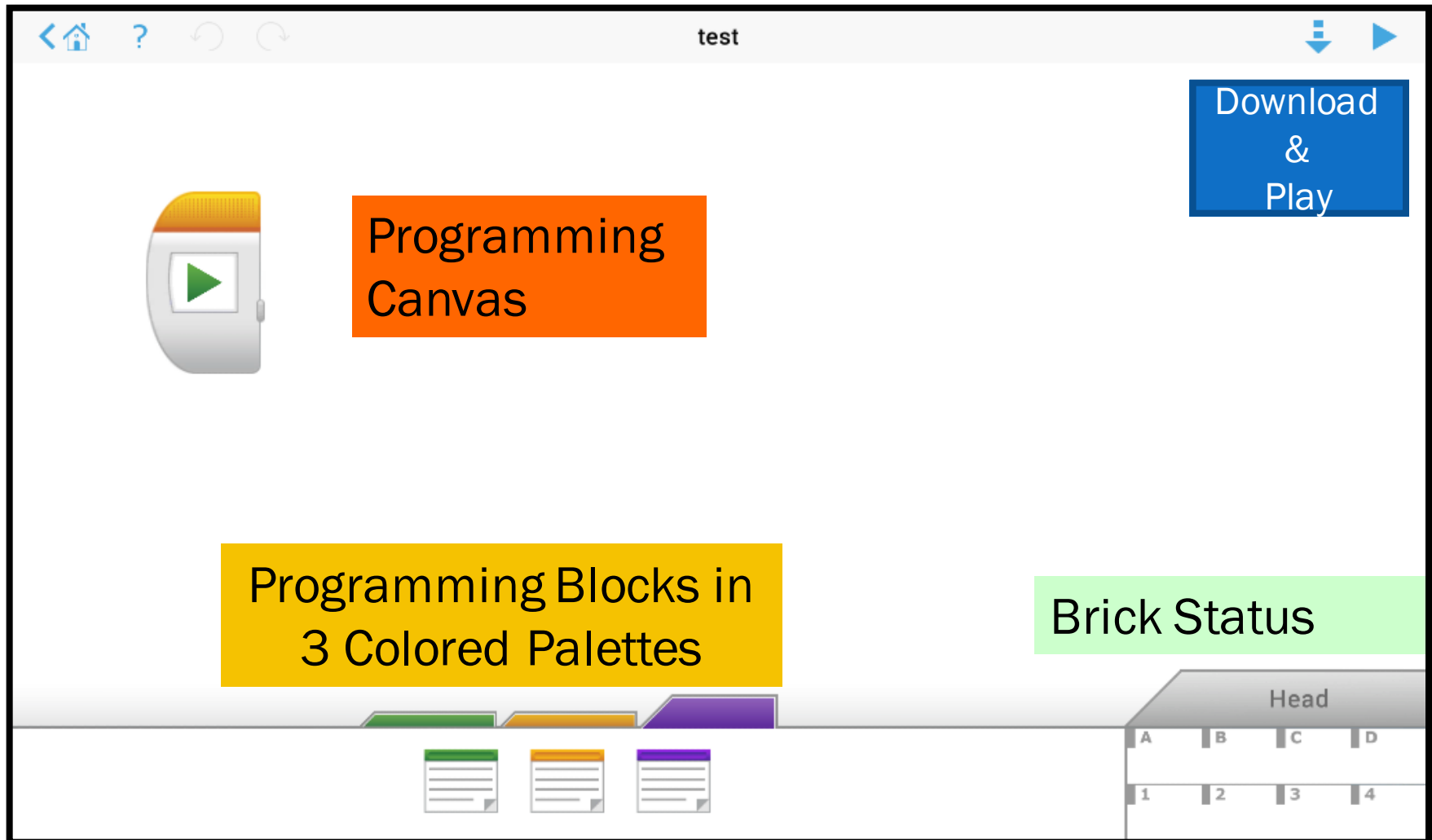
# EV3 Programmer App



Open New Program

Open Saved Program

# Programming Environment



# Available Blocks

## ACTION BLOCKS

Move, Large & Medium Motor, Display...



## FLOW BLOCKS

Start, Wait, Loop, Switch, Loop



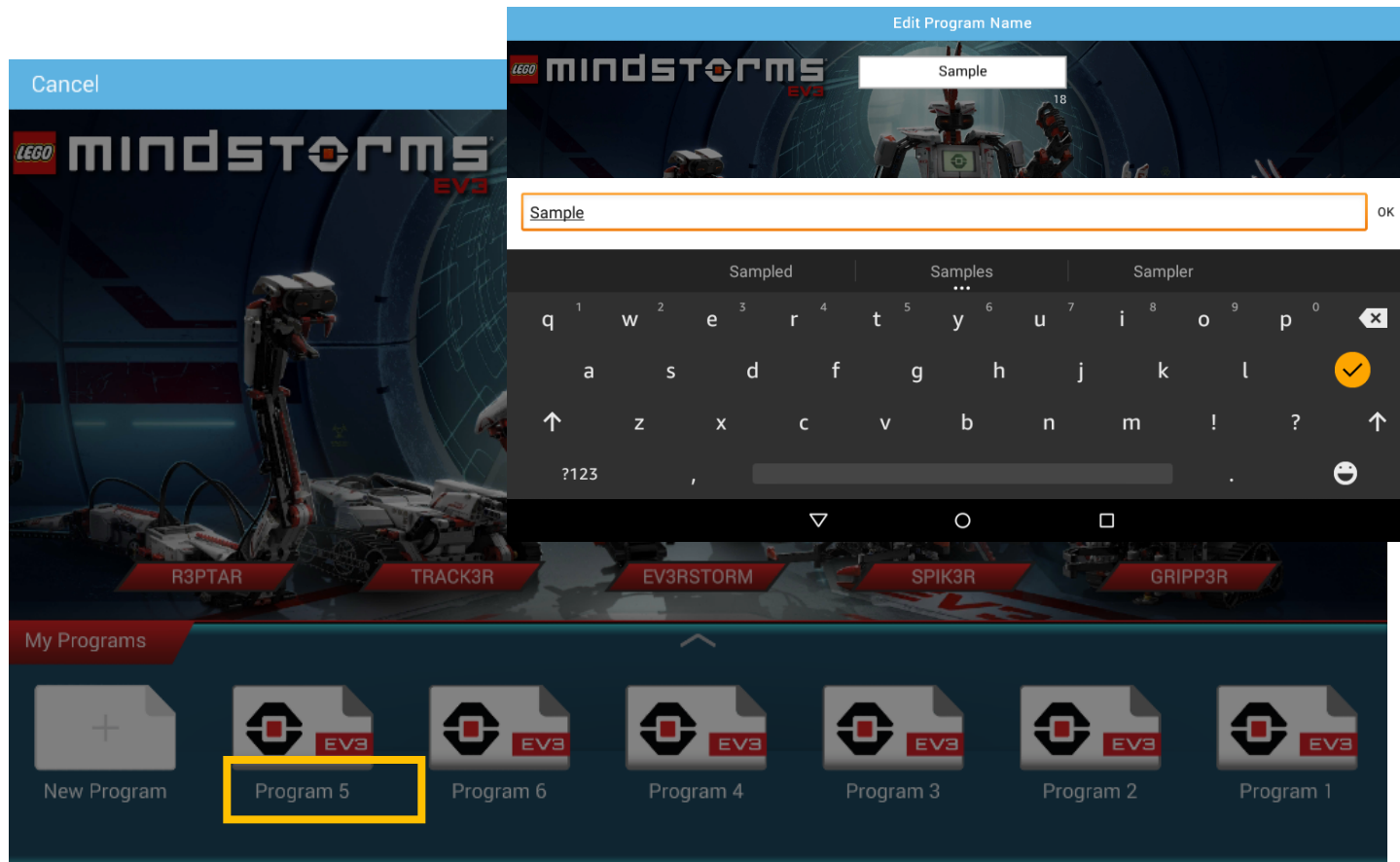
## Comments:

Green, Orange, and Purple





# Changing the Name of a Program



Click lightly on the default name (e.g. Program 5)

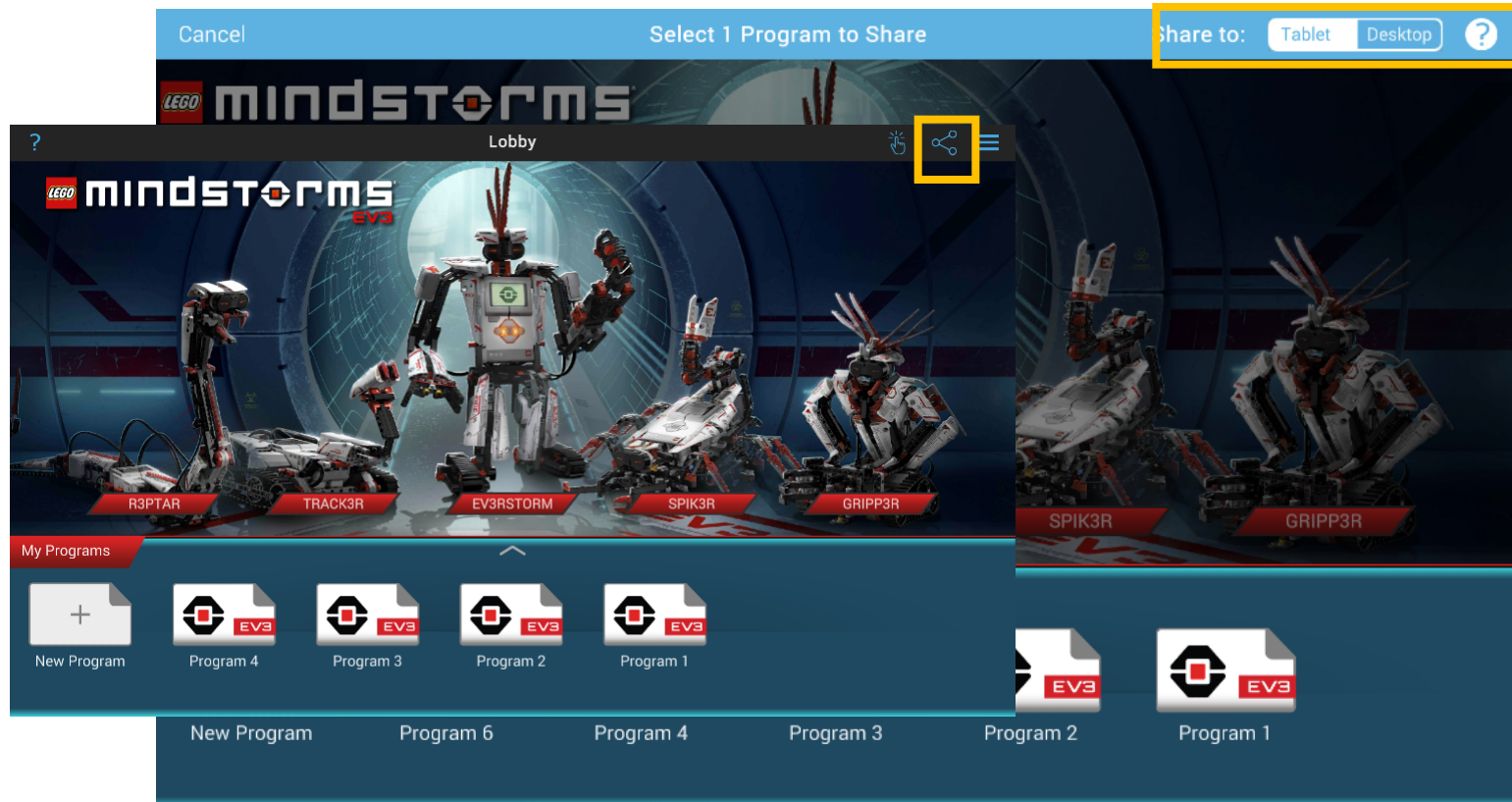
A keyboard will show up to change the name to whatever you want

# Deleting or Duplicating Programs



- Click on the first “finger” icon on the top right in the lobby
- Select the program you want to delete/duplicate and hit the appropriate button

# Sharing the File



- Click on second icon in top right and then select Share to Tablet or Share to Desktop
- Sharing to Tablet saves the file as .ev3m and it can be opened by on tablet running the Programmer App
- Sharing to Desktop saves the file as a .ev3 and can be opened with the EV3 software on a computer

# CREDITS

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



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