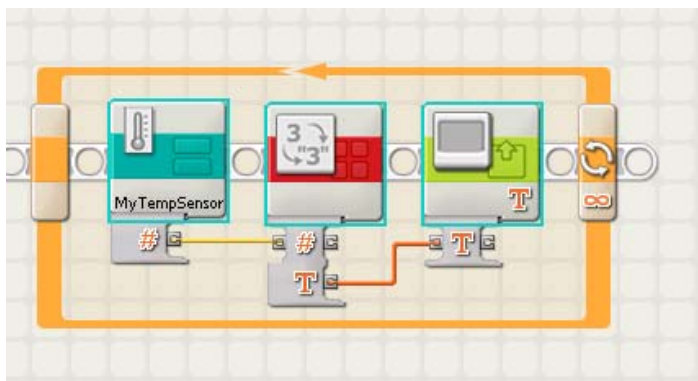
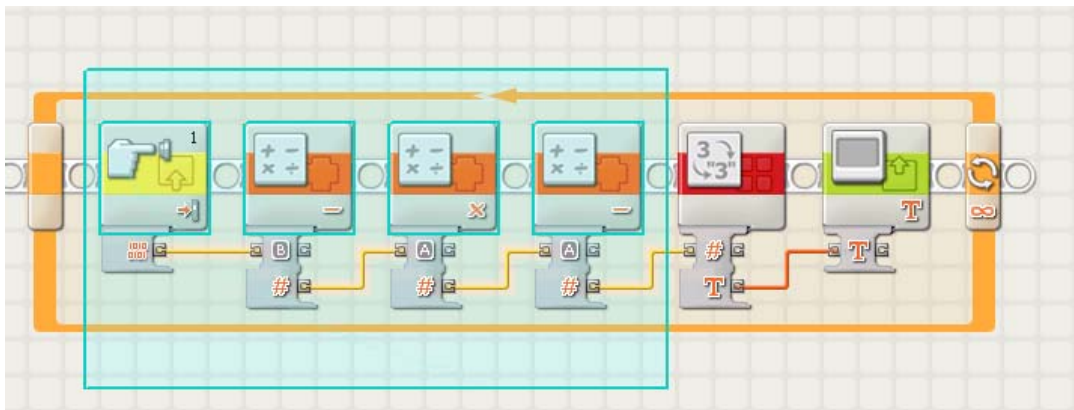
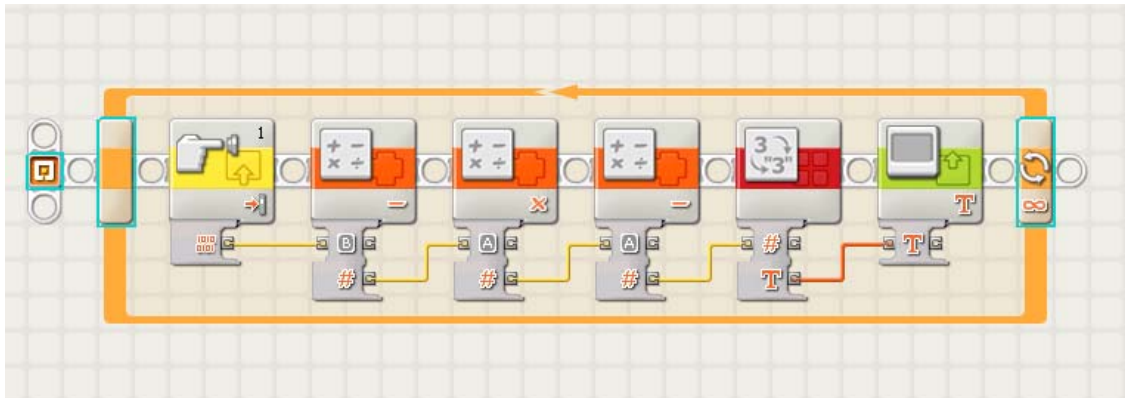
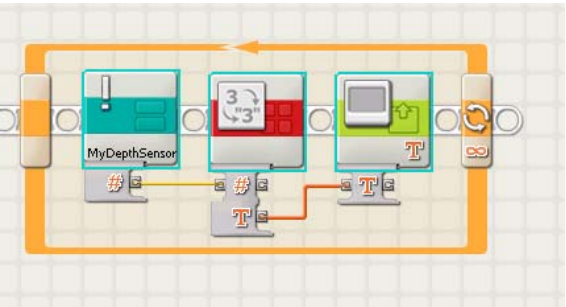
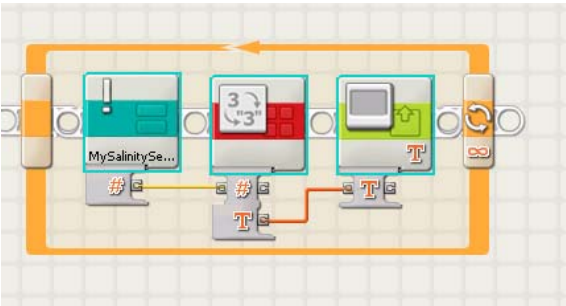
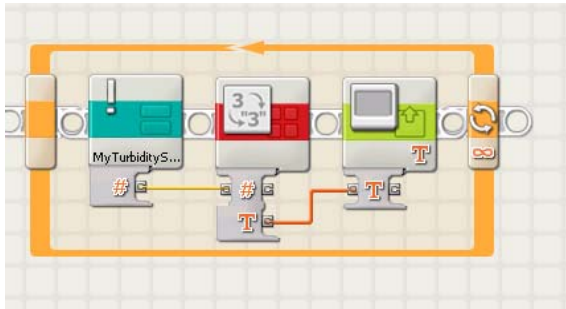


Part 1 – a recap on using My Blocks feature



Now repeat this exercise for the salinity, turbidity, and depth sensor code:



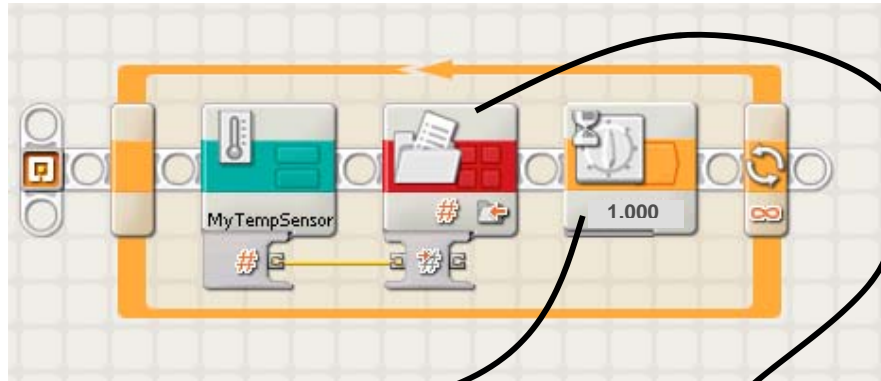
Important!

Note: the “My Block” for each sensor will only read from whichever sensor port was designated in the original code for that sensor.

If you want to move the sensor to a different port (e.g. when using multiple sensors), then you must open up the My Block and edit the code inside it to make it read from the correct sensor port.

To open up a My Block and edit the code inside it, simply double click on it. This is also explained in the Mindstorms help file.

Part 2 – recap on data-logging with a single NXT:



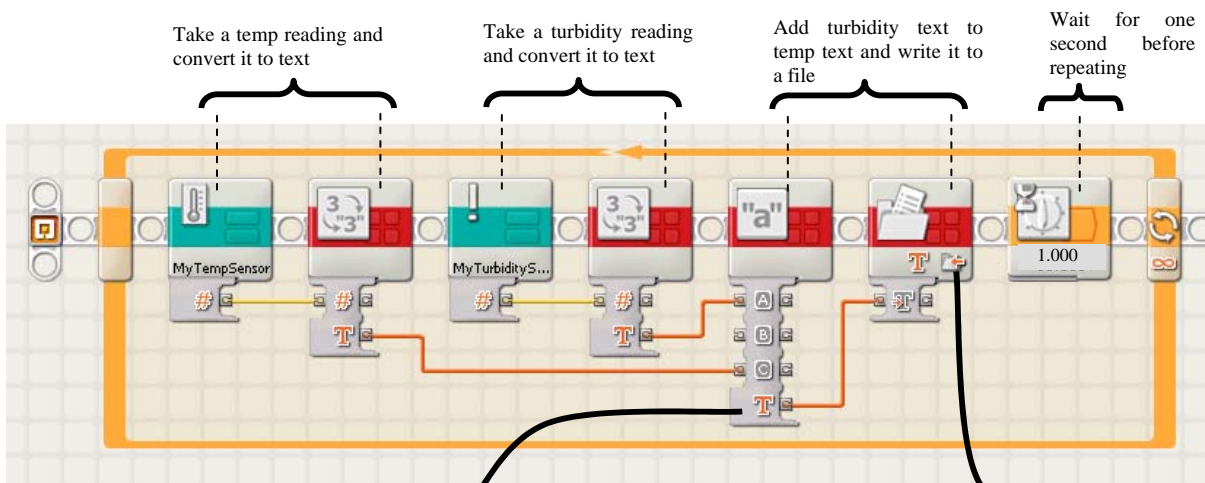
Tells the NXT that you are writing numbers to this file (rather than text).

The name of the file that the NXT will create to store your sensor readings in.

Tells the NXT that you wish to write data to the file (rather than read data from the file, or delete the file)

Tells the NXT that you wish to wait here until a *time* has elapsed (rather than waiting until a button is pressed or some other event).

Specifies the length of the wait as one second. I.e. this program will record a sensor reading once every one second.



Text

A

B

C

This block creates one line of text, by adding together three things:

- Turbidity reading here
- Add one or two spaces (separates the numbers)
- Temperature reading

File Access

Action: Write

Type: Text

Name: MySensorData

Name of the file your data will be saved in.

Tells the NXT that the file will receive text (not numbers)

