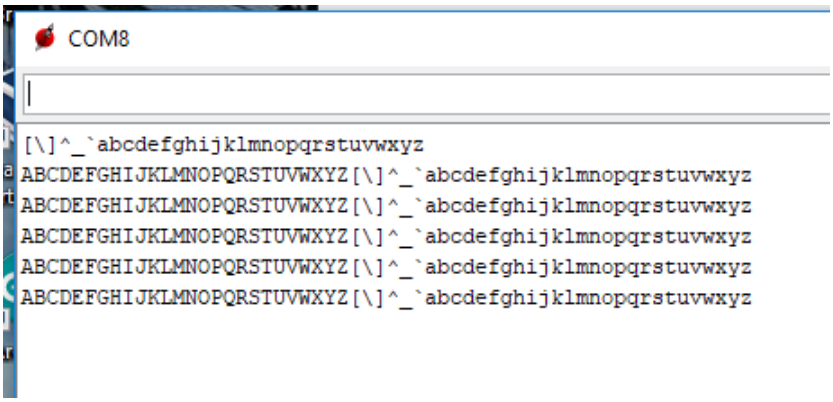
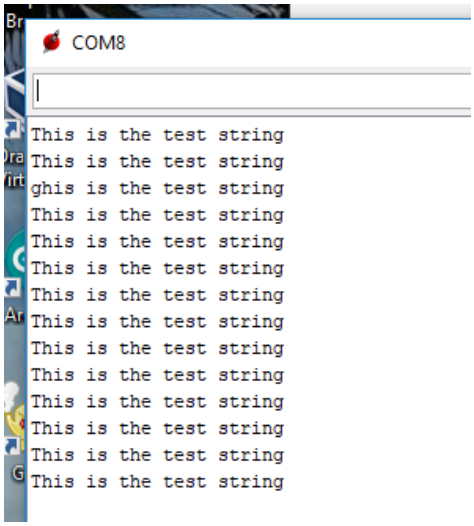
Assignment M11-Clocked ADC

Document:

- Capture screen shot of Serial Monitor output from RT_ADC1

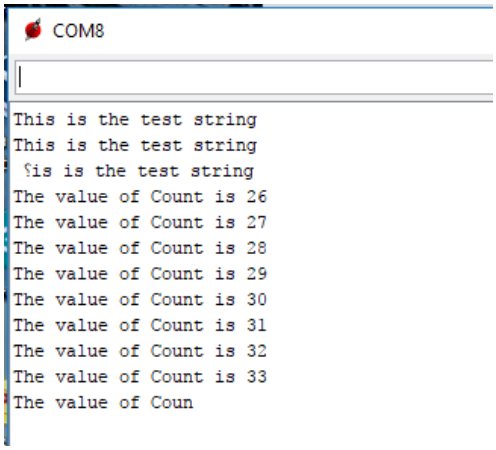


- Capture screen shot of Serial Monitor output from RT_ADC2

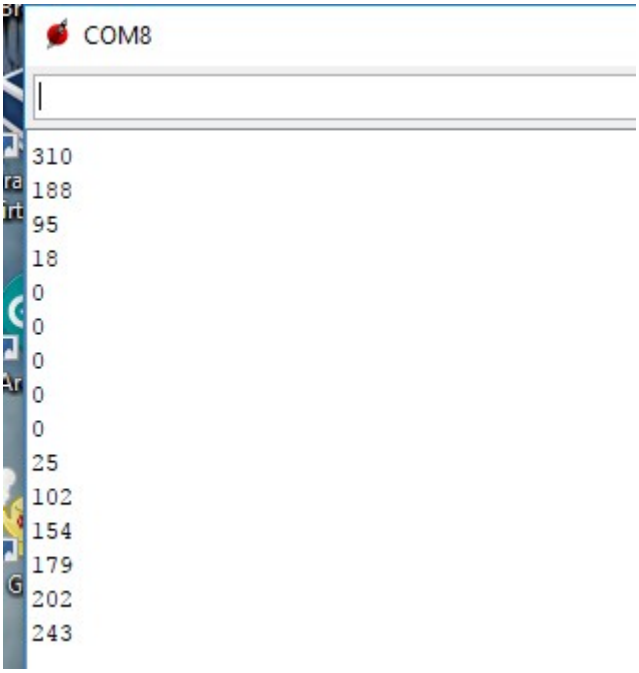


Assignment M11-Clocked ADC

- Capture screen shot of Serial Monitor output from RT_ADC3

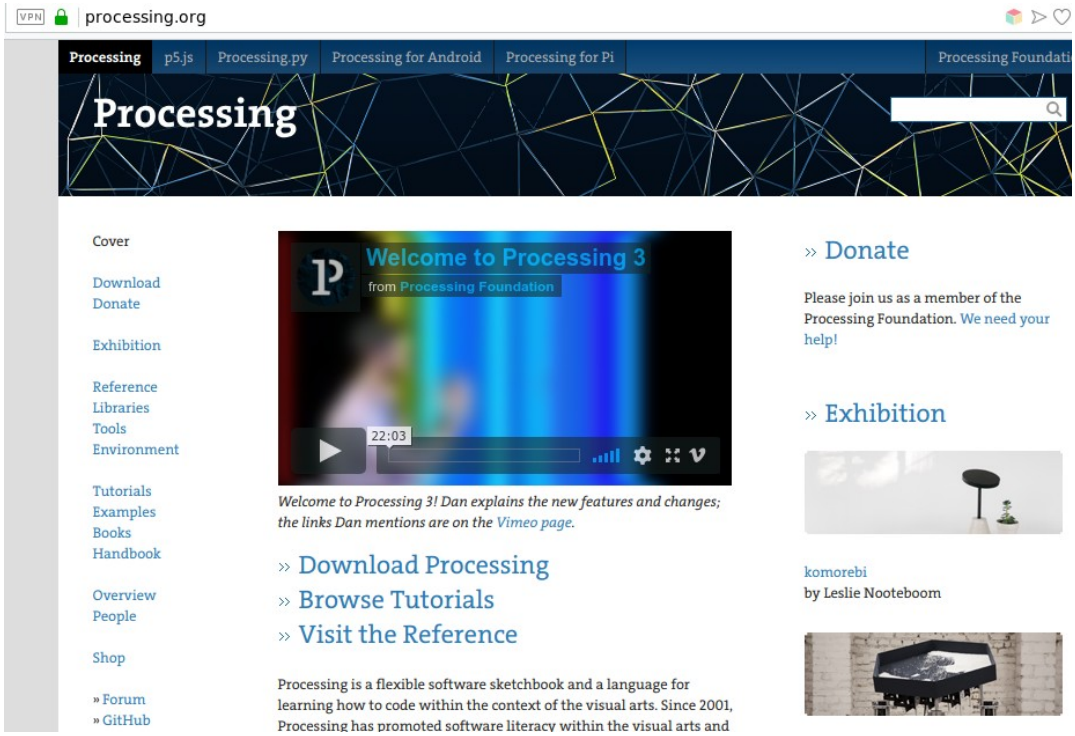


- Capture screen shot of Serial Monitor output from RT_ADC4



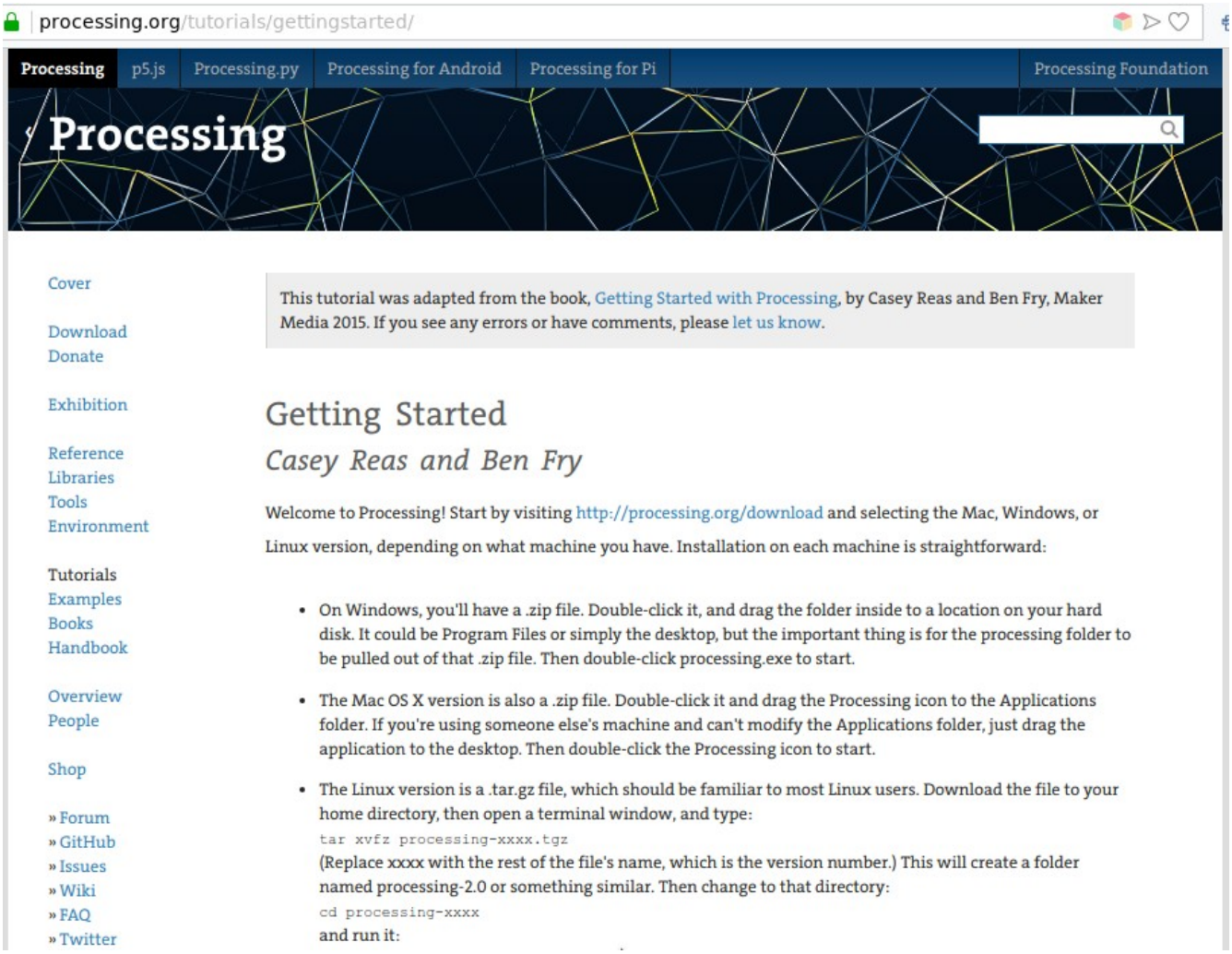
Assignment M11-Clocked ADC

- Download Processing and install
  https://processing.org/download/



https://processing.org/tutorials/gettingstarted/

Assignment M11-Clocked ADC



- Run the sketch for determining your serial ports:

https://processing.org/reference/libraries/serial/Serial_list_.html

```
// Example by Tom Igoe
import processing.serial.*;
//
// The serial port
Serial myPort;
// List all the available serial ports
printArray(Serial.list());
```

```
Output is:
[0] "COM1"
[1] "COM3"
[2] "COM8"
[3] "COM9"
```

```
My board is connected to COM8, so the subscript is [2]
```

Assignment M11-Clocked ADC

Get the subscript for the Com port your LaunchPad board is connected to

- Get sketch_DataPlot1Color from the class web site:

Use that subscript in the sketch_DataPlot1Color Line 20

```
20  String portName = Serial.list()[2];  // <<<<< subscript for Serial port
```

- Create the sketch in Processing (sketch_DataPlot1Color) and run it.

- Capture screen shot of sketch_DataPlot1Color with Potentiometer changes from RT_ADC4 and place in your printed submission.

Video:

- Show sketch_DataPlot1Color running on your computer with RT_ADC4.

Change the values with the potentiometer as shown above.

Be sure to state your name and date in the video recording.