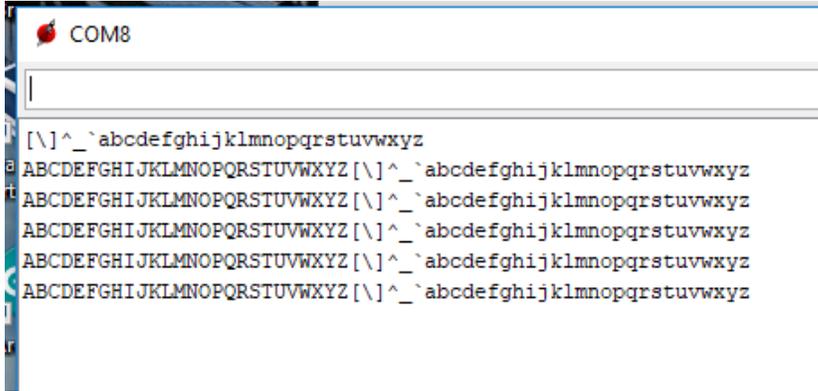


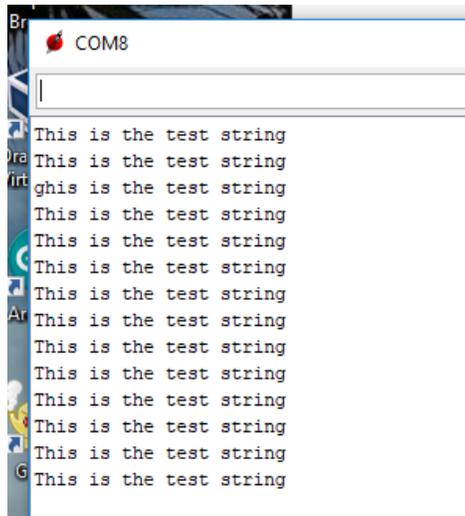
Assignment M11-Clocked ADC

Document:

- Capture screen shot of Serial Monitor output from RT_ADC1

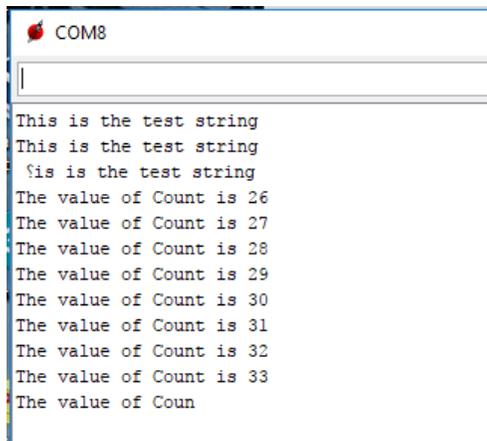


- Capture screen shot of Serial Monitor output from RT_ADC2



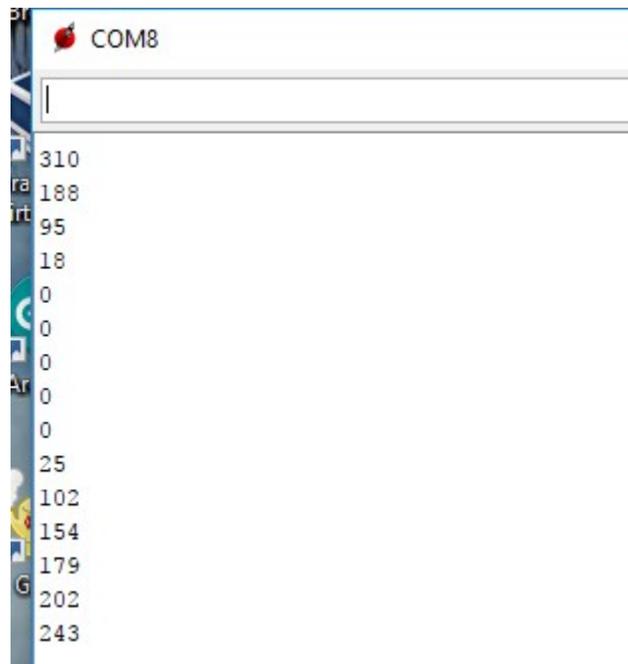
Assignment M11-Clocked ADC

- Capture screen shot of Serial Monitor output from RT_ADC3



```
COM8  
This is the test string  
This is the test string  
This is the test string  
The value of Count is 26  
The value of Count is 27  
The value of Count is 28  
The value of Count is 29  
The value of Count is 30  
The value of Count is 31  
The value of Count is 32  
The value of Count is 33  
The value of Coun
```

- Capture screen shot of Serial Monitor output from RT_ADC4



```
COM8  
310  
188  
95  
18  
0  
0  
0  
0  
0  
0  
25  
102  
154  
179  
202  
243
```

Assignment M11-Clocked ADC

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

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Welcome to Processing 3
from Processing Foundation

22:03

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komorebi
by Leslie Nooteboom

Processing is a flexible software sketchbook and a language for learning how to code within the context of the visual arts. Since 2001, Processing has promoted software literacy within the visual arts and

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Download Processing. Processing is available for Linux, Mac OS X, and Windows. Select your choice to download the software below.



3.4 (26 July 2018)

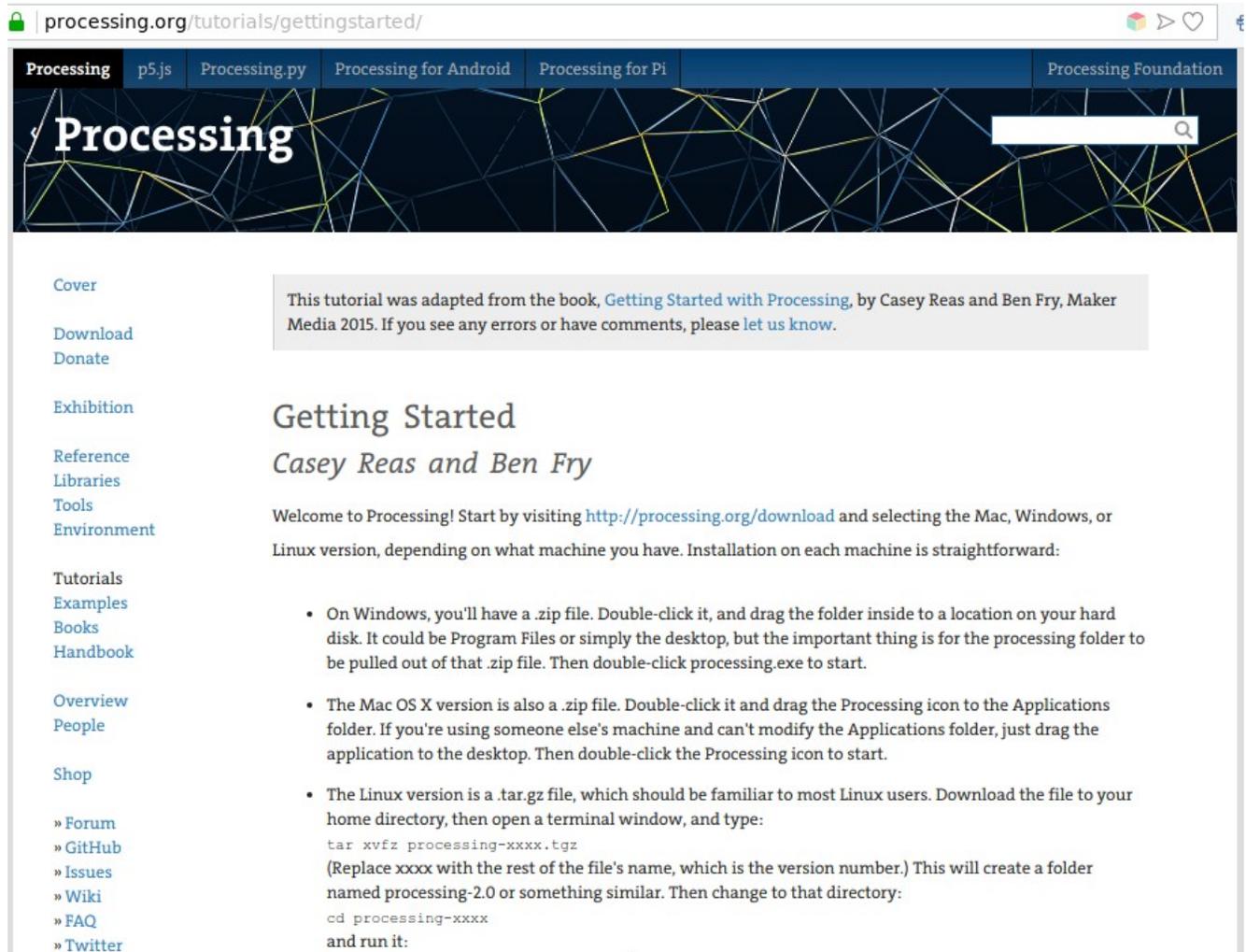
[Windows 64-bit](#)
[Windows 32-bit](#)

[Linux 64-bit](#)
[Linux 32-bit](#)
[Linux ARM](#)
(running on Pi?)

[Mac OS X](#)

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

Assignment M11-Clocked ADC



The screenshot shows the Processing.org website. The browser address bar displays 'processing.org/tutorials/gettingstarted/'. The website has a dark blue header with the 'Processing' logo and navigation links for 'p5.js', 'Processing.py', 'Processing for Android', 'Processing for Pi', and 'Processing Foundation'. A search bar is visible on the right. The main content area features a sidebar on the left with links for 'Cover', 'Download', 'Donate', 'Exhibition', 'Reference', 'Libraries', 'Tools', 'Environment', 'Tutorials', 'Examples', 'Books', 'Handbook', 'Overview', 'People', and 'Shop'. The main text area is titled 'Getting Started' by Casey Reas and Ben Fry. It includes a welcome message and a list of instructions for installing Processing on Windows, Mac OS X, and Linux. The Linux instructions include a terminal command to extract the tar.gz file and change to the directory.

processing.org/tutorials/gettingstarted/

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This tutorial was adapted from the book, *Getting Started with Processing*, by Casey Reas and Ben Fry, Maker Media 2015. If you see any errors or have comments, please [let us know](#).

Getting Started

Casey Reas and Ben Fry

Welcome to Processing! Start by visiting <http://processing.org/download> and selecting the Mac, Windows, or Linux version, depending on what machine you have. Installation on each machine is straightforward:

- On Windows, you'll have a .zip file. Double-click it, and drag the folder inside to a location on your hard disk. It could be Program Files or simply the desktop, but the important thing is for the processing folder to be pulled out of that .zip file. Then double-click processing.exe to start.
- The Mac OS X version is also a .zip file. Double-click it and drag the Processing icon to the Applications folder. If you're using someone else's machine and can't modify the Applications folder, just drag the application to the desktop. Then double-click the Processing icon to start.
- The Linux version is a .tar.gz file, which should be familiar to most Linux users. Download the file to your home directory, then open a terminal window, and type:

```
tar xvfz processing-xxxx.tgz
```

(Replace xxxx with the rest of the file's name, which is the version number.) This will create a folder named processing-2.0 or something similar. Then change to that directory:

```
cd processing-xxxx
```

and run it:

- 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.