Serial Communication

Day 3

Arduino Output - p5 Input

25-Pin Male

25-Pin Female

9-Pin Male

9-Pin Female

8-Pin Male
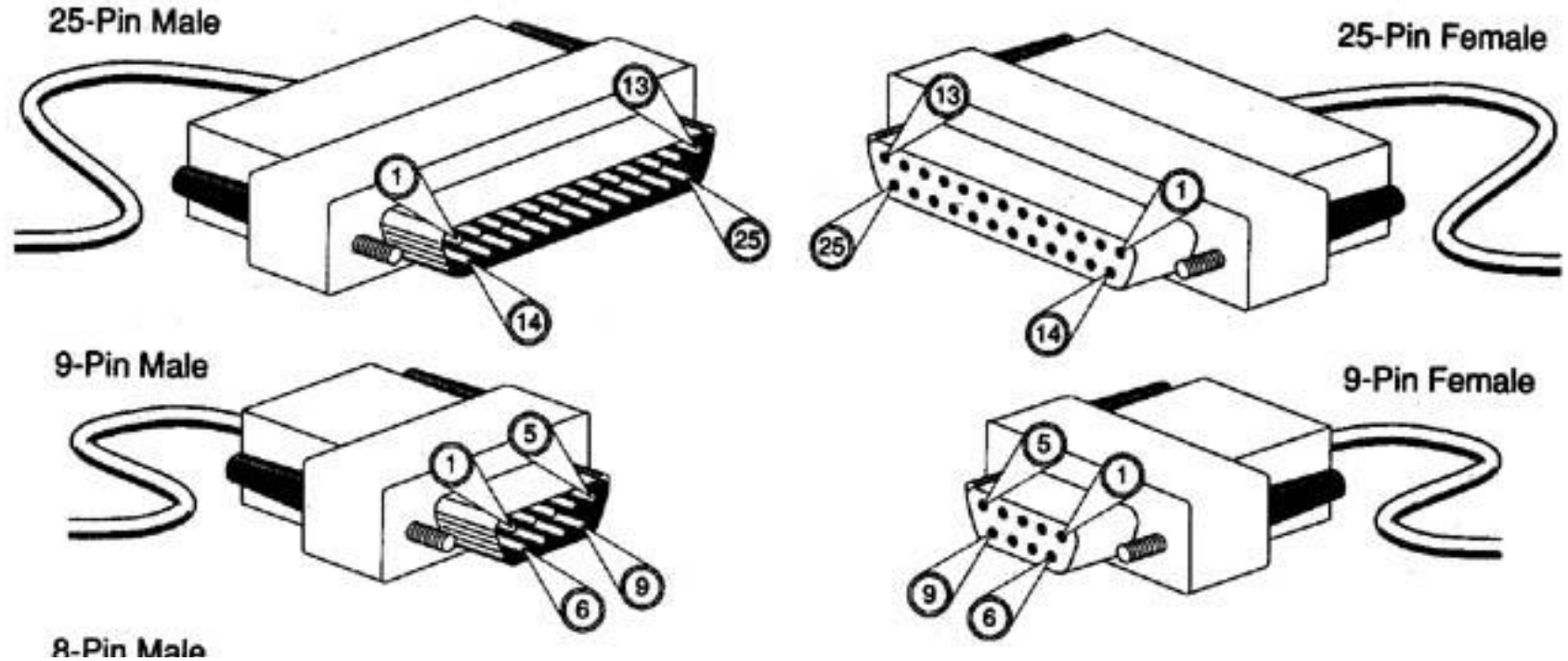
More Downloads:

1. Download node.js (https://nodejs.org/en/)
2. Download p5.serial (https://github.com/p5-serial/p5.serialport)
3. Download p5.serialcontrol
    (https://github.com/p5-serial/p5.serialcontrol)

How to: serial com from Arduino to p5

1. Follow the installation instructions for the serial control app here:
    https://github.com/p5-serial/p5.serialcontrol
2. Upload on the Arduino a sensor's code
    (https://www.arduino.cc/reference/en/language/functions/analog-io/analogread/) or a serial print code
    that loops from 0 to 255
3. Launch the serial control app with 'npm start'
4. Open this p5 example: https://github.com/p5-serial/p5.serialport/tree/master/examples/basics and change
    the name of the serial port on line 17 in sketch.js to match the name of the Arduino serial port on the
    serial control app
5. Open the index.html file in your browser ad tweak it!

For more:
https://itp.nyu.edu/physcomp/labs/labs-serial-communication/lab-serial-input-to-the-p5-js-ide/

Coding Challenge

Work in pairs, one designs an input (Arduino) and the other designs the output (p5) and then make them communicate over serial