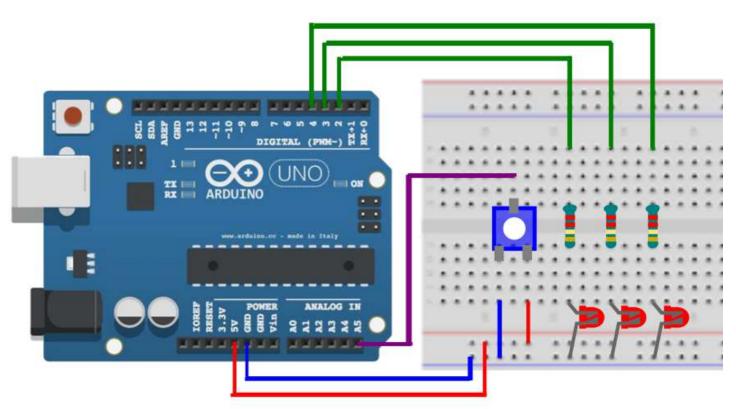
Hands-On Demo - LED

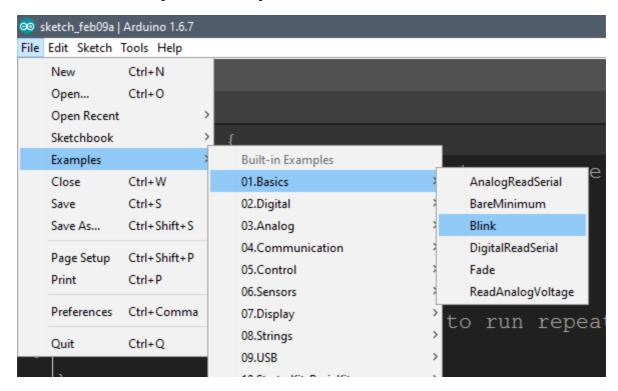


Step 1: Connect Components



1

Step 2: Open Arduino IDE

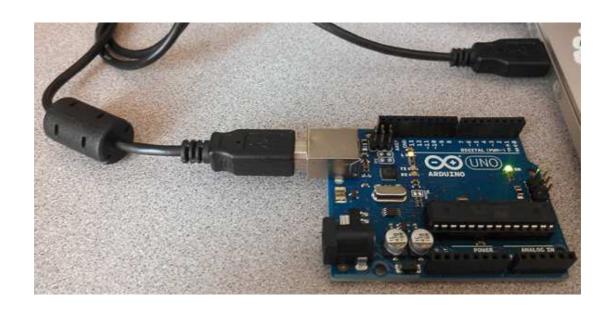


3

Step 3: Set Output Pin = 2

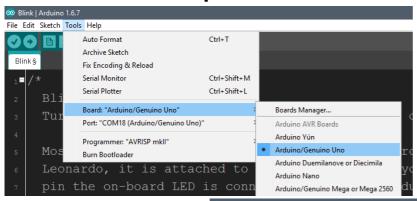
```
// the setup function runs once when you press reset or power the board
void setup() {
// initialize digital pin 13 as an output.
pinMode(2, OUTPUT);
}
```

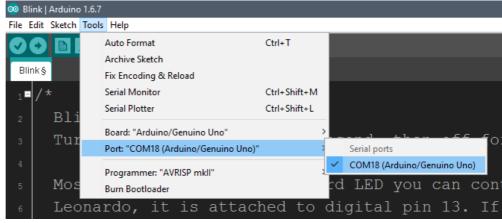
Step 4: Connect Arduino to PC



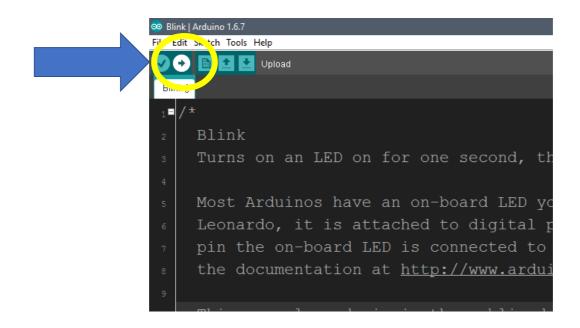
5

Step 5: Select Board & Port



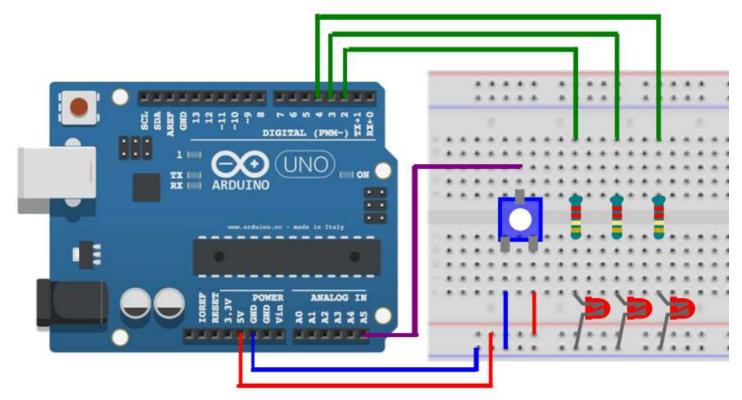


Step 6: Upload



7

Hands-On Demo – Analog Input

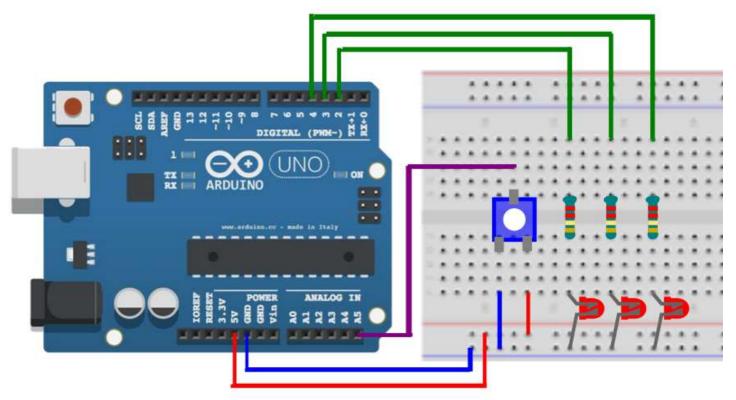


Hands-On Demo-Analog Input

- Create a new Sketch
- Go to: github.com/wbock/Lecture4
- Copy-paste from "AnalogDemo1.ino"
- Upload to Arduino

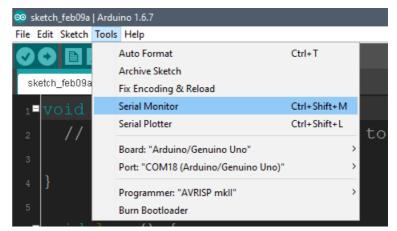
(

Hands-On Demo - Communication



Hands-On Demo - Communication

- Create a new Arduino Sketch
- Go to: github.com/wbock/Lecture4
- Copy-paste from "AnalogDemo2.ino"
- Upload to Arduino
- Open the Serial Monitor
- Are the values arriving?



11

Hands-On Demo - Communication

- Create a new Processing Sketch
- Copy-paste from "CommunicationDemo.pde"
- Run sketch
- Start turning the potentiometer
 Is anything changing?