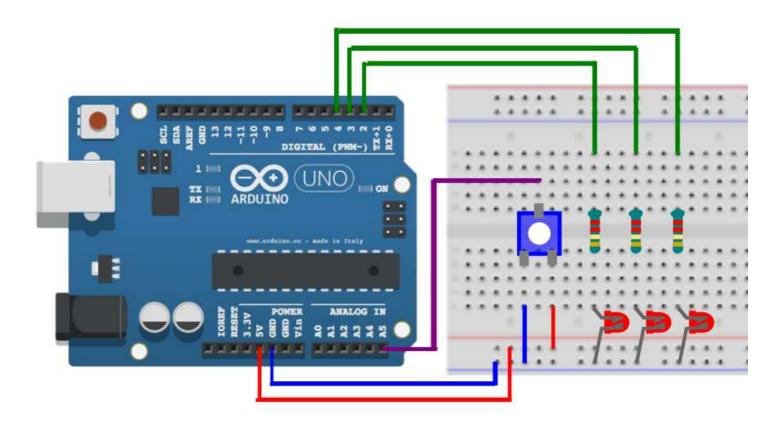
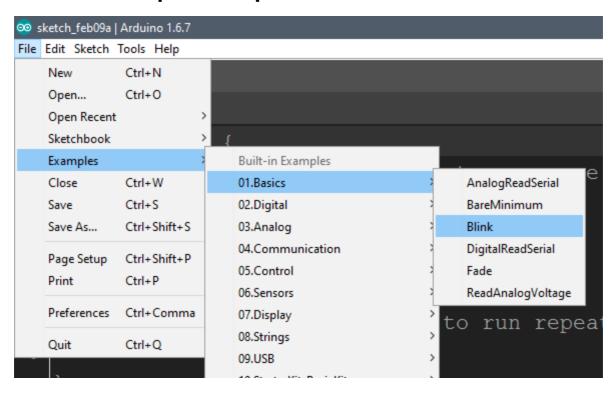
Practical Example - LED



Step 1: Connect Components



Step 2: Open Arduino IDE



Step 3: Set Output Pin = 2

```
// the setup function runs once when you press reset or power the board

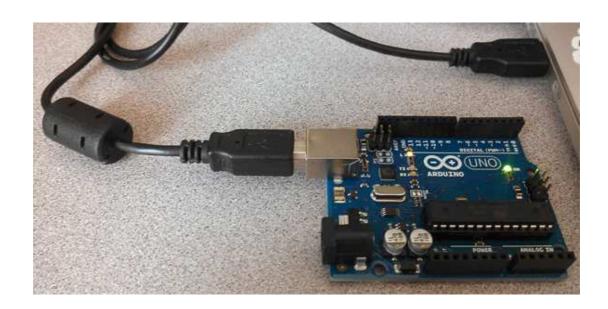
void setup() {

// initialize digital pin 13 as an output.

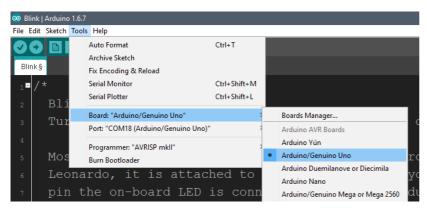
pinMode(2, OUTPUT);

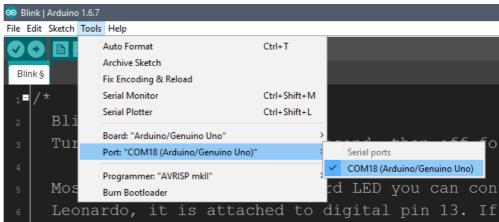
}
```

Step 4: Connect Arduino to PC

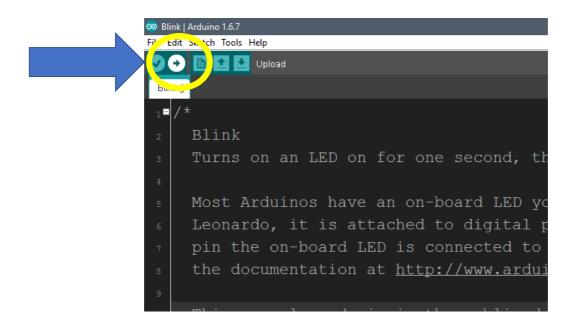


Step 5: Select Board & Port





Step 6: Upload

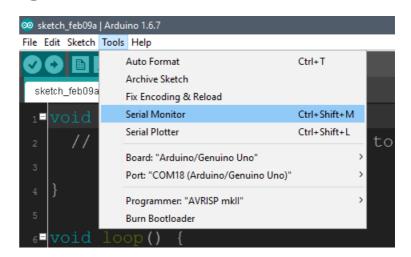


Practical Example – Analog Input

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

Practical Example – 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?



Practical Example - Communication

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

