



# ARDUINO

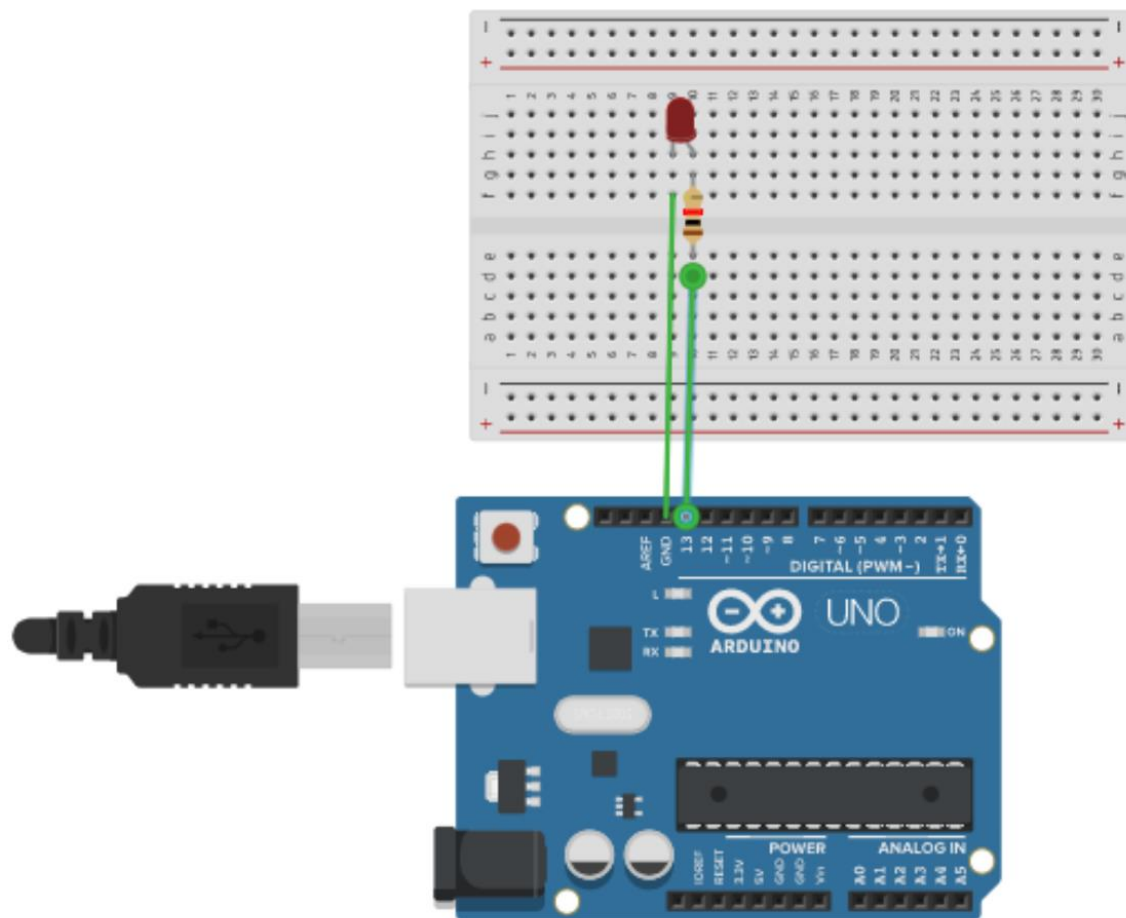
**ElevAkademiet**  
Nøglen til læring

# Plan for idag

- Hurtig gennem gang/repition
- Lyskryds
- Lyskryds med knap
- Arbejde videre på projekterne



# ARDUINO

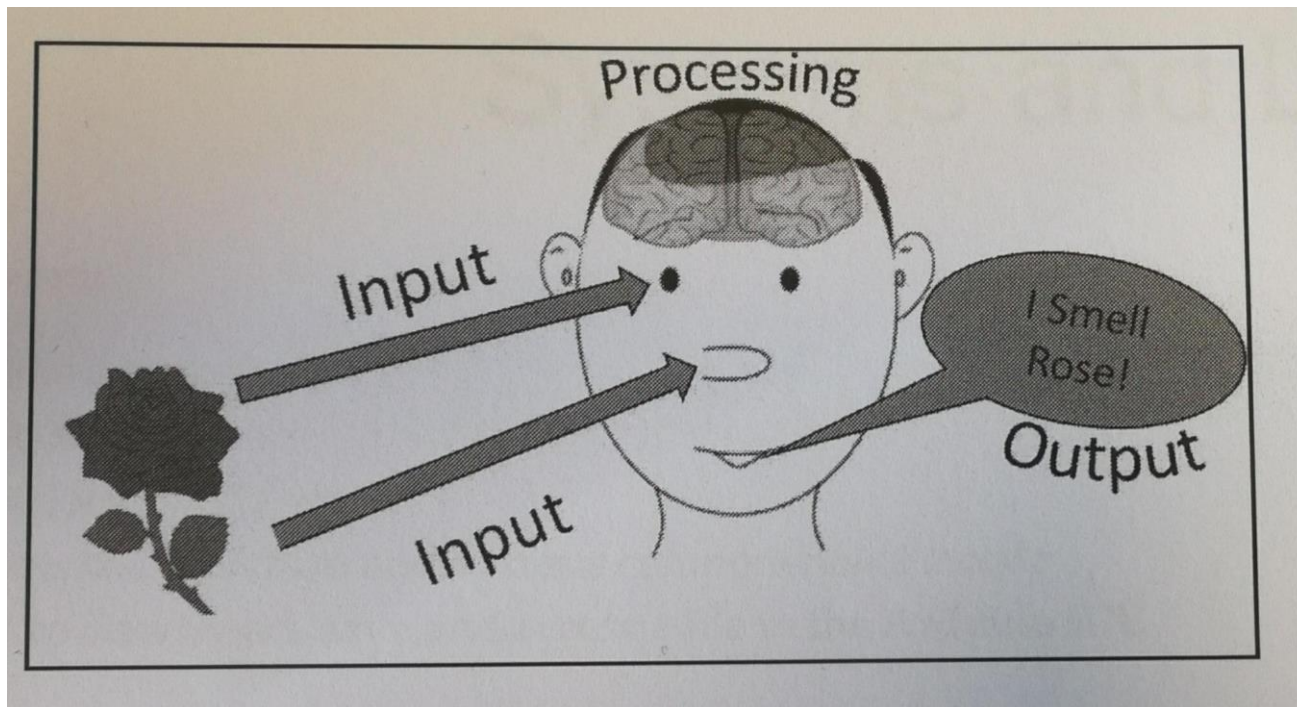


[https://youtu.be/vbWH\\_G1i6I8](https://youtu.be/vbWH_G1i6I8)



# Bliv opmærksom på omverdenen

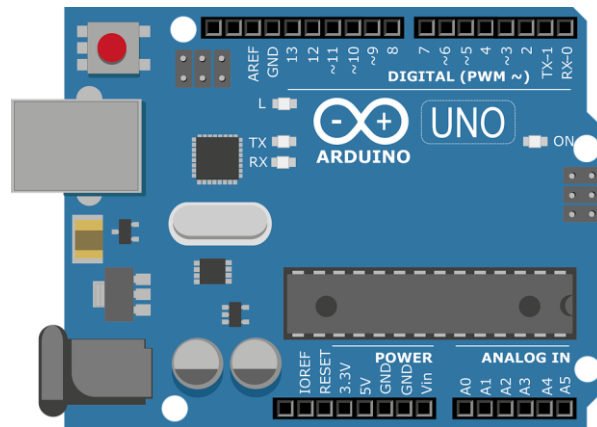




Input

Input

Processing



Output



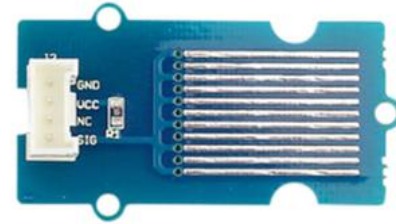
# Inputs



Temperatur



Ultralyd



Vandsensor



Lydsensor



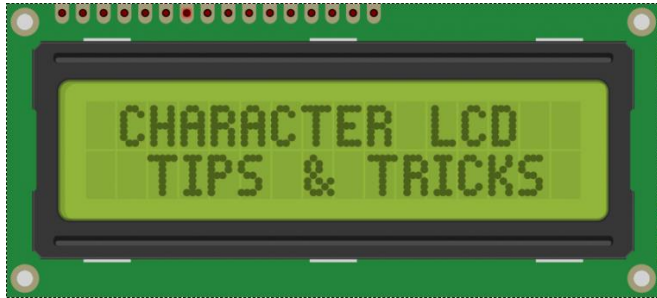
Pulssensor

<http://tutorial45.com/top-used-sensors-for-arduino/>





# Outputs



LCD-skærm



Servo motor



Motor



Buzzer

# Programmering

- Bruger processing
- Bruger kommandoer fra Arduino biblioteket
- <https://www.arduino.cc/en/Main/Software>
- Kan I huske nogen?

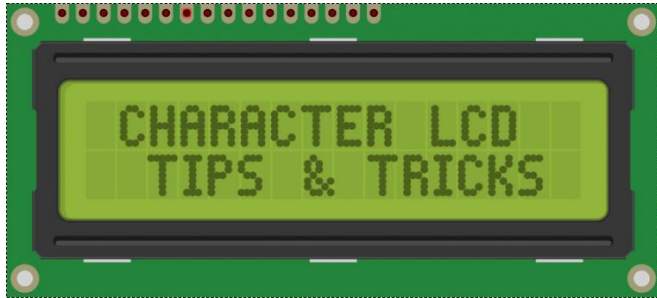


# Kommandoer

- `pinMode(pin, STATE)`
- `digitalWrite(pin, STATE)`
- `digitalRead(pin)`



# Outputs



LCD-skærm



Servo motor



Motor



Buzzer

# Lyskryds

<https://github.com/henrikschwarz/arduino-resources/tree/master/projekter/lyskryds>



# Lyskryds med knap

<https://github.com/henrikschwarz/arduino-resources/tree/master/projekter/lyskryds-knap>

