Actuating

Day 2

Input vs Output

Input

Read

Arduino
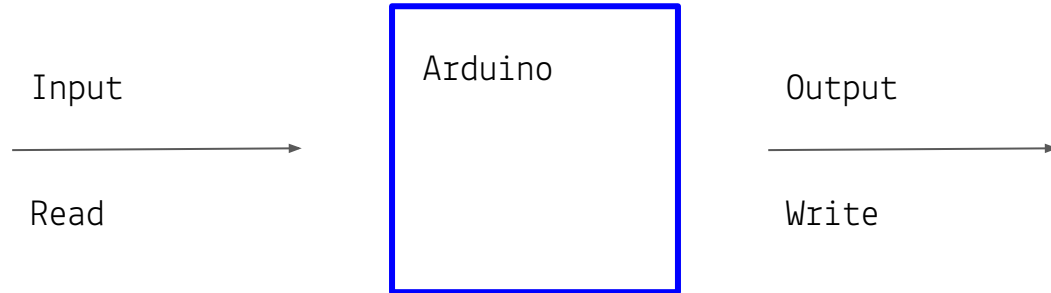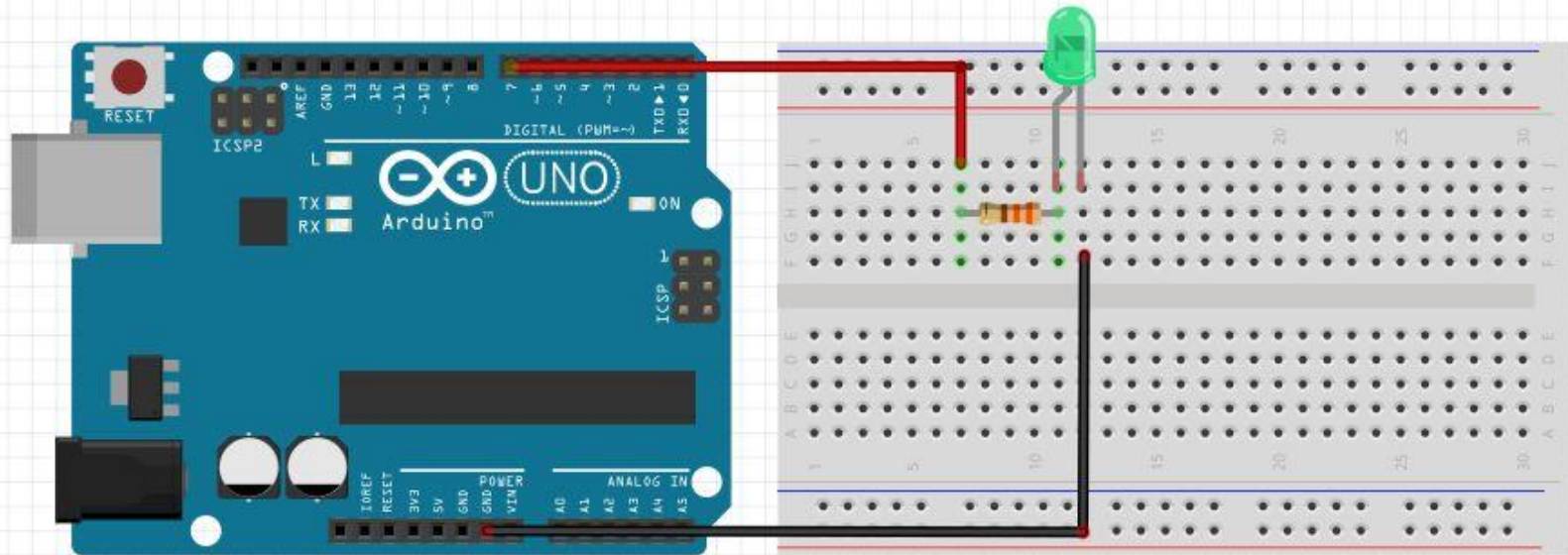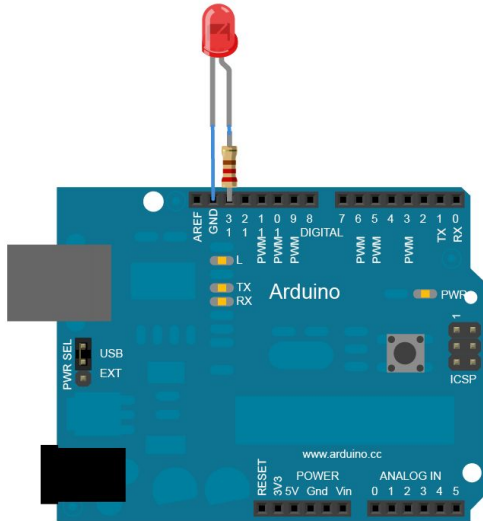
Output

Write

Digital Actuation

Our First Circuit

Our First Circuit

- The LED's short leg/flat edge goes to GND
- Resistor "in series" with the LED
- Resistors don't have polarity

pinMode(pinNumber, mode)
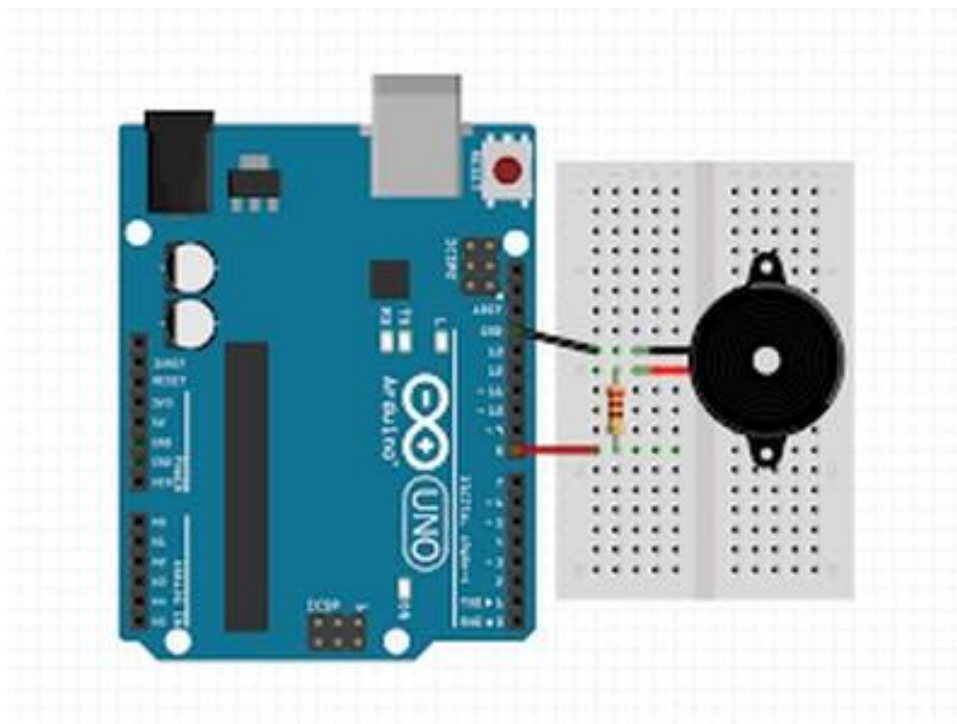
Fundamental modes:
INPUT/OUTPUT

digitalWrite(pinNumber, VALUE)

HIGH / LOW

`delay(milliseconds)`

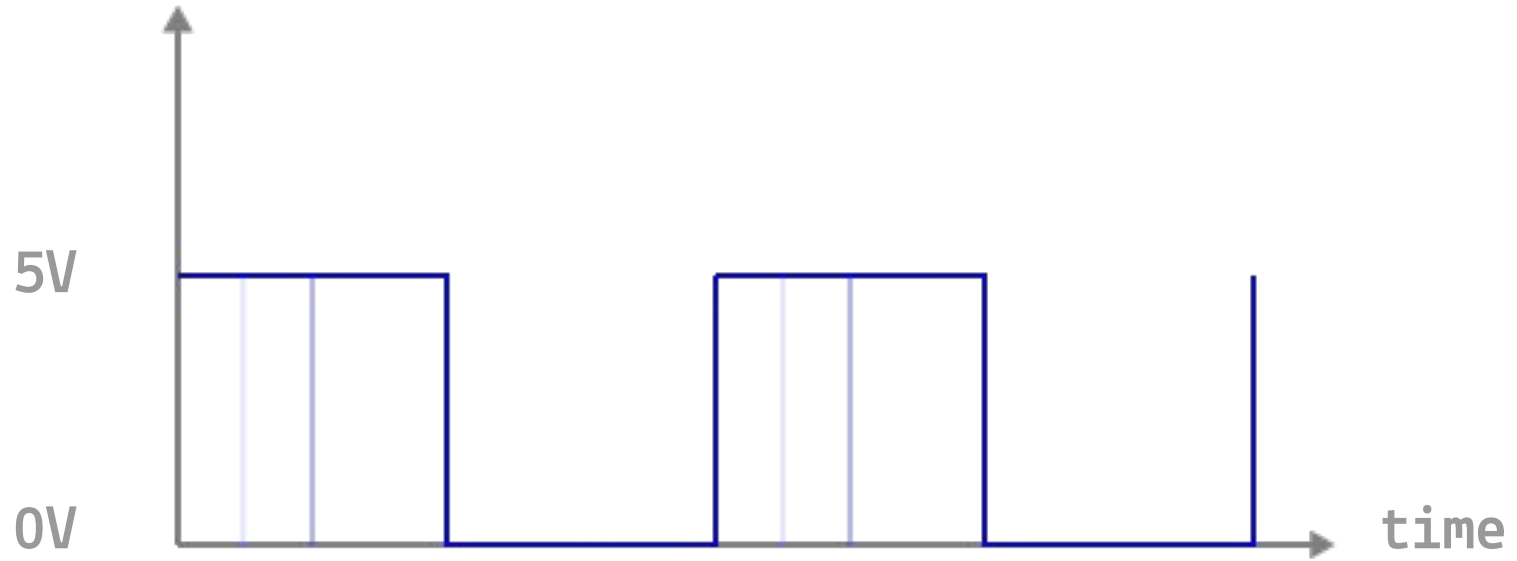# Piezo Circuit

Analog Actuation

pinMode(pinNumber, mode)

Fundamental modes:
INPUT/OUTPUT

analogWrite(pinNumber, value)

0-255
Use pins with ~

PWM

5V

0V

time

LED Fade

Sound and tone()

Coding Challenge nr 1