

# Blink

## Code Club Challenge – 01-01

### Setup:

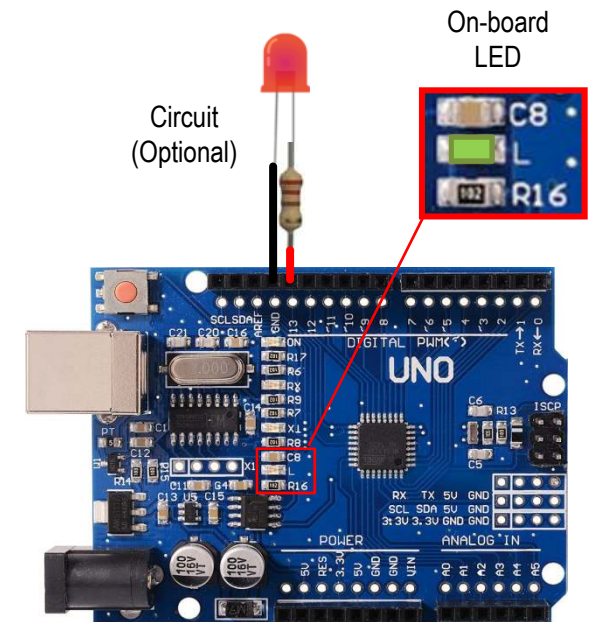
- Load the sketch from the IDE File/Examples/01.Basics/... menu
- Optionally connect up your circuit as shown (disconnected from USB)
- Follow the tutorial at <https://www.arduino.cc/en/Tutorial/Blink>
- Observe the ON/OFF flashing action of the LED
- Show your understanding of the code by explaining it to your teacher

### Code Challenges:

- Reduce the value of the ON delay from 1000 to 100
- Reduce ON delay to 30 and OFF delay to 300
- Flash the LED 3 times then pause for 3 seconds, then repeat this

### Can you:

- Explain why `pinMode()` code must be used in the `setup()` function?
- Give examples of real life applications for this function?
- Think of ways to modify the code to create other functions?



### WARNING!

Always disconnect power before making/changing circuit connections