01 Digital Write

# The circuit



# The code

int LEDPin = 3; //variable storing pin number the LED is attached to

void **setup**(){

  pinMode(LEDPin, OUTPUT); //Set the pin the LED is attached to as an output

}//end of: setup

void **loop**(){

  digitalWrite(LEDPin, HIGH); //Bring the LEDPin high to turn on the LED

  delay(1000); //Pause for 1000 milliseconds (1s)

  digitalWrite(LEDPin, LOW); //Bring the LEDPin low to turn off the LED

  delay(1000); //Pause for 1000 milliseconds (1s)

}//end of: loop

# What next

1. Change the code so the LED is on for 2 seconds and off for half a second
2. Turn the LED on at the start and get it to stay on perminantly