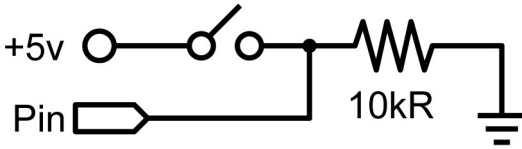


digital input



This is the simplest form of input with only two possible states: on or off. This example reads a simple switch or pushbutton connected to pin2. When the switch is closed the input pin will read HIGH and turn on an LED.

```
int ledPin = 13;           // output pin for the LED
int inPin = 2;            // input pin (for a switch)

void setup()
{
  pinMode(ledPin, OUTPUT); // declare LED as output
  pinMode(inPin, INPUT);   // declare switch as input
}

void loop()
{
  if (digitalRead(inPin) == HIGH) // check if input is HIGH
  {
    digitalWrite(ledPin, HIGH); // turns the LED on
    delay(1000);                // pause for 1 second
    digitalWrite(ledPin, LOW);  // turns the LED off
    delay(1000);                // pause for 1 second
  }
}
```