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.

```cpp
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
    }
}
```