const int buttonPin = 2; // the number of the pushbutton pin  
const int ledPin = 13; // the number of the LED pin  
  
// variables will change:  
volatile int buttonState = 0; // variable for reading the pushbutton status  
  
void setup() {  
 // initialize the LED pin as an output:  
 pinMode(ledPin, OUTPUT);  
 // initialize the pushbutton pin as an input:  
 pinMode(buttonPin, INPUT);  
 // Attach an interrupt to the ISR vector  
 attachInterrupt(0, pin\_ISR, CHANGE);  
}  
  
void loop() {  
 // Nothing here!  
}  
  
void pin\_ISR() {  
 buttonState = digitalRead(buttonPin);  
 digitalWrite(ledPin, buttonState);  
}