1. /\* sketch 2
2. turn on a LED when the button is pressed and let it on when the button is released
3. \*/
4. **int** pinButton = 8; //the pin where we connect the button
5. **int** LED = 2; //the pin we connect the LED
7. **void** setup() {
8. pinMode(pinButton, INPUT); //set the button pin as INPUT
9. pinMode(LED, OUTPUT); //set the LED pin as OUTPUT
10. }
12. **void** loop() {
13. **int** stateButton = digitalRead(pinButton); //read the state of the button
14. **if**(stateButton == 1) { //if is pressed
15. digitalWrite(LED, HIGH); //write 1 or HIGH to led pin
16. }
17. }