

```
int red_led = 2;
int yellow_led = 3;
int green_led = 4;
int button = 5;
void setup() {
    // put your setup code here, to run once:
    pinMode(red_led, OUTPUT);
    pinMode(button, INPUT);
}

void loop() {
    //1. Read the state of the button
    int button_state = digitalRead(button);

    //2. Check if button is pressed
    if(button_state==1){
        // Turn on LED
        digitalWrite(red_led, HIGH);
    }
    else{
        // Turn off LED
        digitalWrite(red_led, LOW);
    }
    delay(100);
}
```