

```

// initializes the digital pins 11, 12 and 13 as outputs.
pinMode(led1, OUTPUT); //led1 or pin 11 is an output
pinMode(led2, OUTPUT); //led2 or pin 12 is an output
pinMode(led3, OUTPUT); //led3 or pin 13 is an output
}

// the loop routine runs as long as the pushbutton is pressed
void loop() {
  {
    val =digitalRead(button); //read input value and store it
    //check whether the input is HIGH (button)pressed
    if (val ==HIGH)  {

      potiVal =analogRead(potiPin); //    read    the    value    from    the    sensor

      digitalWrite(led1, HIGH); // turn the LED1 on (HIGH is the voltage level)
      delay(potiVal);           // wait for a second
      digitalWrite(led1, LOW); // switch LED1 off by setting the voltage to LOW

      digitalWrite(led2, HIGH); // turn the LED2 on by setting the voltage to HIGH
      delay(potiVal);           // wait for a second
      digitalWrite(led2, LOW); //switch LED2 off by setting the voltage to LOW

      digitalWrite(led3, HIGH); // turn the LED3 on by setting the voltage to HIGH
      delay(potiVal);           // wait for a second
      digitalWrite(led3, LOW); // switch LED3 off by setting the voltage to LOW
    }
  }
}

```

