

Rain sensor 2

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// Sensor pins pin D6 LED output, pin A0 analog Input
#define ledPin 6
#define sensorPin A0
void setup() {
  Serial.begin(9600);
  pinMode(ledPin, OUTPUT);
  digitalWrite(ledPin, LOW);
}
void loop() {
  Serial.print("Analog output: ");
  Serial.println(readSensor());
  delay(500);
}

int readSensor() {
  int sensorValue = analogRead(sensorPin); // Read the analog value from sensor
  int outputValue = map(sensorValue, 0, 1023, 255, 0); // map the 10-bit data to 8-bit data
  analogWrite(ledPin, outputValue); // generate PWM signal
  return outputValue; // Return analog moisture value
}
```

