

Temperature sensor send value to serial monitor

```
int sensorPin = A0; // LM35 output connected to analog pin A0

float temperatureC; // Variable to store temperature in Celsius

void setup() {
  Serial.begin(9600); // Start serial communication at 9600 baud
  Serial.println("Temperature Sensor Reading Started...");
}

void loop() {
  int sensorValue = analogRead(sensorPin);    // Read analog value (0–1023)

  temperatureC = (sensorValue * 5.0 * 100.0) / 1024.0; // Convert analog value to °C

  Serial.print("Temperature: ");
  Serial.print(temperatureC);
  Serial.println(" °C");                      // Print to Serial Monitor

  delay(1000); // Wait for 1 second before next reading
}
```

Connections:



