

## 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:



