

## ASSIGNMENT CORRECTION

```
#include <DHT11.h>
DHT11 dht11(2);
#include<LiquidCrystal_I2C_Hangul.h>
#include<Wire.h>
#include "Relay.h"
int sensorPin = A0;
int sensorValue = 0;

Relay light(5, false);

LiquidCrystal_I2C_Hangul lcd(0x3F,16,2);

void setup() {
  // put your setup code here, to run once:
  Serial.begin(9600);
  Serial.begin(9600);
  lcd.init();
  lcd.backlight();
  lcd.print("temperature!");
  light.begin();
}

void loop() {
  // put your main code here, to run repeatedly:
  int temperature = 0;
  int humidity = 0;

  int result = dht11.readTemperatureHumidity(temperature, humidity);

  if (result == 0) {
    Serial.print("Temperature: ");
    Serial.print(temperature);
    Serial.print(" °C\tHumidity: ");
    Serial.print(humidity);
    Serial.println(" %");
  }
```

```
    } else {  
  
        Serial.println(DHT11::getErrorString(result));  
        light.turnOff(); //turns relay off  
        light.turnOn(); //turns relay on  
        bool isLightOn = light.getState();  
    }  
}
```