

ANKIT JAISWAR
ROLL NO:40.

AES MINI PROJECT

Aim: Using Arduino UNO, display temperature and humidity on LEC display which is being sensed by DHT11.

Code:

Libraries added: DHTLib, LiquidCrystal I2C

Project Link: <https://wokwi.com/projects/328581178000933459>

```
1  #include <dht.h>
2  #include <LiquidCrystal_I2C.h>
3  #define DHT22_PIN 7
4  dht DHT;
5  LiquidCrystal_I2C lcd(0x27, 16, 2);
6  int cursorColumn = 0;
7  void setup() {
8      // put your setup code here, to run once:
9      lcd.init();
10     lcd.backlight();
11 }
12
13 void loop() {
14     // put your main code here, to run repeatedly:
15     int chk = DHT.read(DHT22_PIN);
16
17     lcd.setCursor(0, 0);
18     lcd.print("Temp.: ");
19     lcd.setCursor(10, 0);
20     lcd.print(DHT.temperature);
21     lcd.setCursor(0, 1);
22     lcd.print("Humidity: ");
23     lcd.setCursor(10, 1);
24     lcd.print(DHT.humidity);
25     delay(1000);
26 }
27
```

OUTPUT:

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