

PROJECT DEVELOPMENT PHASE
SPRINT-2

Team ID	PNT2022TMID41751
Project Name	IoT- Based Smart Crop Protection System For Agriculture

WOKWI CODE TO STIMULATE TEMPERATURE AND HUMIDITY:

```
#include "DHT.h"

#define DHTPIN 2
#define DHTTYPE DHT22

DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(115200);
  Serial.println(F("DHT22 example!"));

  dht.begin();
} void loop() {  float temperature =
dht.readTemperature();  float humidity =
dht.readHumidity();

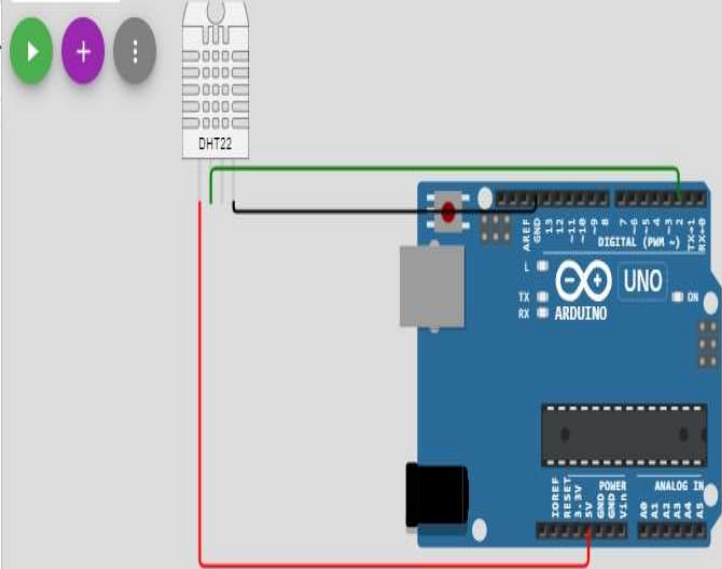
  if (isnan(temperature) || isnan(humidity)) {
    Serial.println(F("Failed to read from DHT sensor!"));
return;
  }

  Serial.print(F("Humidity: "));
  Serial.print(humidity);
  Serial.print(F("%  Temperature: "));
  Serial.print(temperature);
  Serial.println(F("°C "));

  delay(2000);
}
```

OUTPUT:

```
1 #include "DHT.h"
2
3 #define DHTPIN 2
4 #define DHTTYPE DHT22
5
6 DHT dht(DHTPIN, DHTTYPE);
7
8 void setup() {
9   Serial.begin(115200);
10  Serial.println(F("TEMP & HUMID!"));
11
12  dht.begin();
13 }
14
15 void loop() {
16   float temperature = dht.readTemperature();
17   float humidity = dht.readHumidity();
18
19   if (isnan(temperature) || isnan(humidity)) {
20     Serial.println(F("Failed to read from DHT sensor!"));
21     return;
22   }
23
24   Serial.print(F("Humidity: "));
25   Serial.print(humidity);
26   Serial.print(F("% Temperature: "));
27   Serial.print(temperature);
28   Serial.println(F("°C "));
29 }
```



DHT22 example!

Humidity: 40.00% Temperature: 24.00°C
Humidity: 40.00% Temperature: 24.00°C
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