```cpp
#include<DHT.h>

#define DHTPIN 21
#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

void setup() {
  // initialize digital pin LED_BUILTIN as an output.

  Serial.begin(9600);
  dht.begin();

  Serial.println("Check DHT Sensor");
}

float temperatureFrh = 0;
float temperature = 0;
float temperatureTmp = 0;
float humidityTmp = 0;
int counter = 0;
int counter2 = 0;

// the loop function runs over and over again forever
void loop() {
    delay(1000);
    temperature = dht.readTemperature();
    temperatureFrh = (temperature*(9/5))+32;
    float humidity = dht.readHumidity();
```

```
if(isnan(humidity) || isnan(temperature)){
  Serial.println("Failed to load/read from DHT sensor");
  return;
}
//float hic = dht.computeHeatIndex(temperature, humidity, false);

if(counter2%5 == 0){
  Serial.println("");
  Serial.print("Kelembapan     ");
  Serial.print("Temperature    ");
  Serial.print("Temperature    ");
  Serial.println("");

  Serial.print("    %    ");
  Serial.print("    Celcius    ");
  Serial.print("    Farenheit    ");
  Serial.println("");
  }

if(temperatureTmp != temperature && humidityTmp != humidity){
  Serial.println("");
  Serial.print("     ");
  Serial.print(humidity);
  Serial.print("     ");
  Serial.print(temperature);
  Serial.print("     ");
  Serial.print(temperatureFrh);
  Serial.println("");
```

```
    }else{
      if(counter<20){
        Serial.print(".");
      }
     }

    if(counter == 20){counter=0;}
    temperatureTmp = temperature;
    humidityTmp = humidity;
    counter++;
    counter2++;
    delay(1000);
}
```

Check DHT Sensor

Kelembapan %	Temperature Celcius	Temperature Farenheit
52.00	28.00	60.00

....

Kelembapan %	Temperature Celcius	Temperature Farenheit

...

| 71.00 | 29.00 | 61.00 |

.

Kelembapan %	Temperature Celcius	Temperature Farenheit

.....

Kelembapan %	Temperature Celcius	Temperature Farenheit
81.00	30.00	62.00

....

Kelembapan %	Temperature Celcius	Temperature Farenheit

....

Kelembapan %	Temperature Celcius	Temperature Farenheit

.....

Kelembapan %	Temperature Celcius	Temperature Farenheit

..

| 51.00 | 29.00 | 61.00 |

..

Kelembapan %	Temperature Celcius	Temperature Farenheit

.....

Kelembapan %	Temperature Celcius	Temperature Farenheit

....