

```
#include <DHT.h>
```

```
#define DHTPIN 5
```

```
#define DHTTYPE DHT11
```

```
DHT dht(DHTPIN, DHTTYPE);
```

```
void setup() {
```

```
  Serial.begin(115200);
```

```
  dht.begin();
```

```
}
```

```
void loop() {
```

```
  delay(5000);
```

```
  float humidity = dht.readHumidity();
```

```
  float temperatureCelsius = dht.readTemperature();
```

```
  if (isnan(humidity) || isnan(temperatureCelsius)) {
```

```
    Serial.println("Failed to read from DHT sensor!");
```

```
    return;
```

```
}
```

```
float temperatureFahrenheit = (temperatureCelsius * 9.0 / 5.0) +  
32.0;
```

```
Serial.print("Humidity: ");
```

```
Serial.print(humidity);
```

```
Serial.print("%\t");
```

```
Serial.print("Temperature: ");
```

```
Serial.print(temperatureCelsius);
```

```
Serial.print("°C\t");
```

```
Serial.print(temperatureFahrenheit);
```

```
Serial.println("°F");
```

```
}
```