DHT (Humidity and Temperature sensor)

DHT11 pins	
1	VCC
2	DATA
3	NC
4	GND
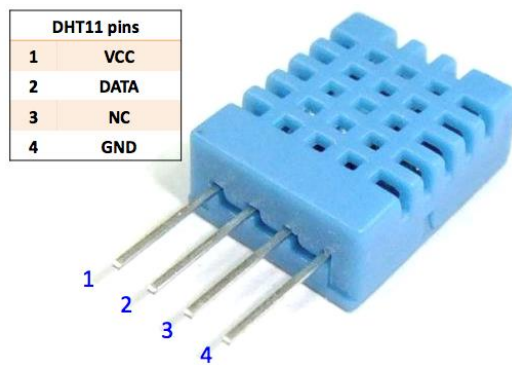
1 - GPIO connector pin 1
2 - GPIO connector pin 3
4 - GPIO connector pin 6

Connect with Arduino uno :

fritzing
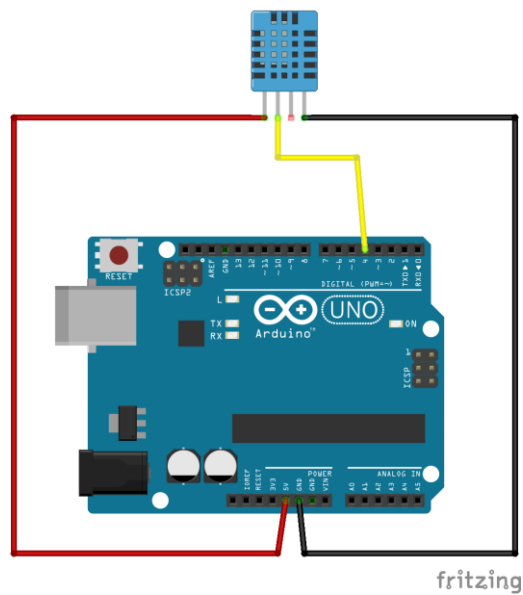
Code:

```
DHT11sensor

#include <DHT11.h>

dht11 DHT11;

#define DHT11PIN 2

void setup()
{
  Serial.begin(9600);
}

void loop()
{
  Serial.println("\n");

  int chk = DHT11.read(DHT11PIN);

  Serial.print("Read sensor: ");
  switch (chk)
  {
```

```
    case DHTLIB_OK:
    Serial.println("OK");
    break;
    case DHTLIB_ERROR_CHECKSUM:
    Serial.println("Checksum error");
    break;
    case DHTLIB_ERROR_TIMEOUT:
    Serial.println("Time out error");
    break;
    default:
    Serial.println("Unknown error");
    break;
  }

Serial.print("Humidity (%): ");
Serial.println((float)DHT11.humidity, 2);

Serial.print("Temperature (oC): ");
Serial.println((float)DHT11.temperature, 2);

delay(2000);
}
```