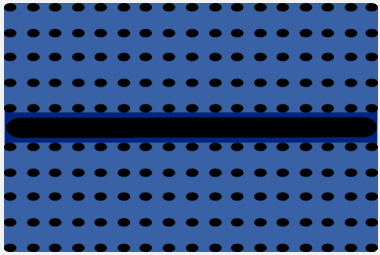


# Manual de instalação

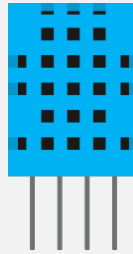
*Soluções Tecnológicas de Temperatura de  
Umidade - STTU*

**Wine Tech**

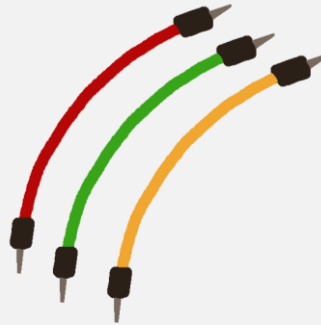
# Itens necessários



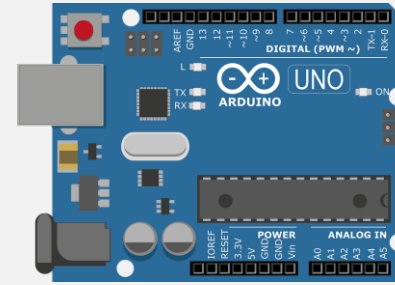
Protoboard



DHT11



Jumpers



Arduino UNO



Cabo USB  
Tipo A/B



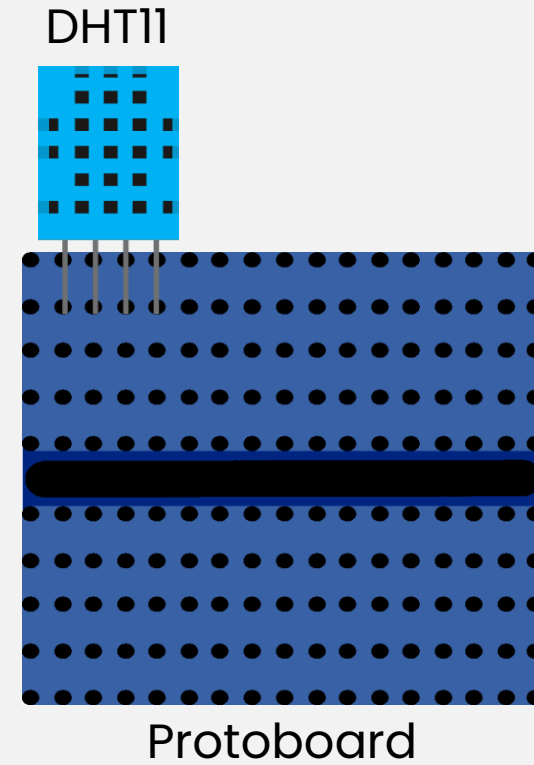
Computador



Internet

## 1º Passo

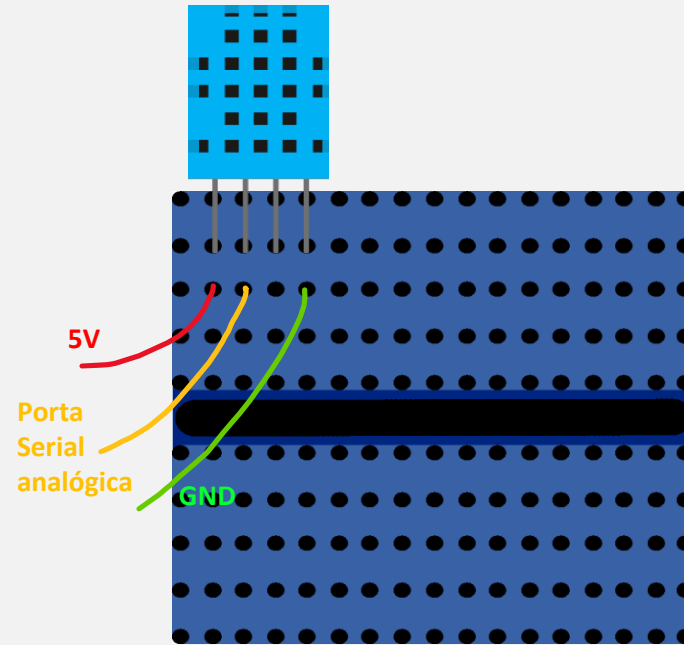
Conecte o DHT11 à  
Protoboard com a face  
“vazada” virada para si



## 2º Passo

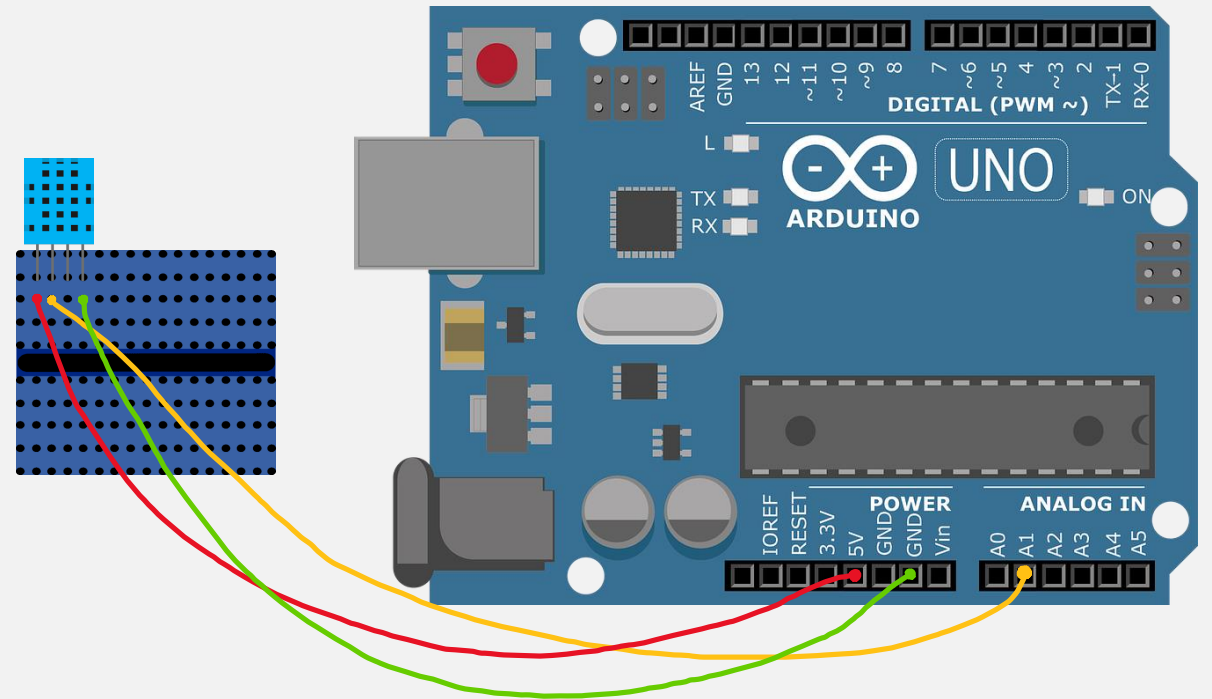
Conecte os jumpers na protoboard na seguinte ordem, da esquerda para a direita:

- 5V
- Portal Serial Analógica
- GND



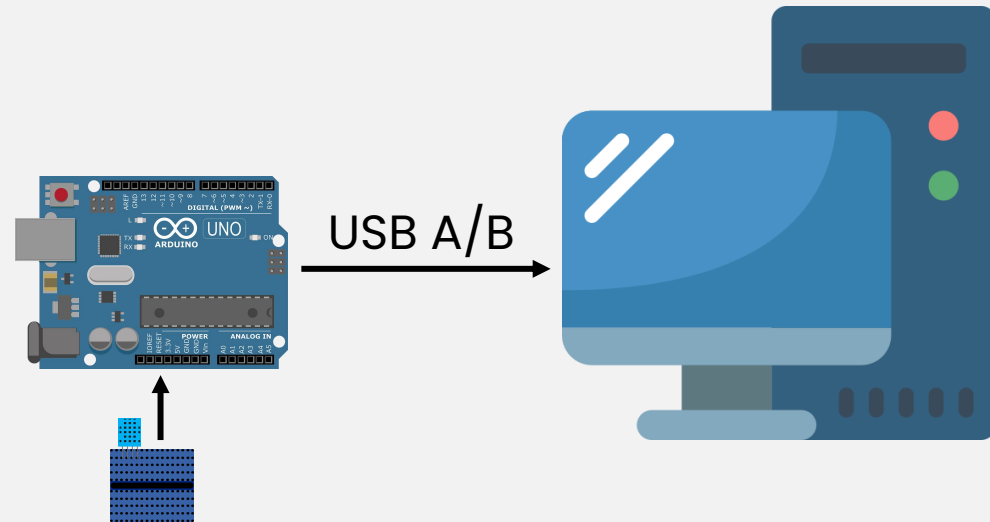
## 3º Passo

Em seguida, conecte os jumpers às entradas correspondentes do Arduino UNO



## 4º Passo

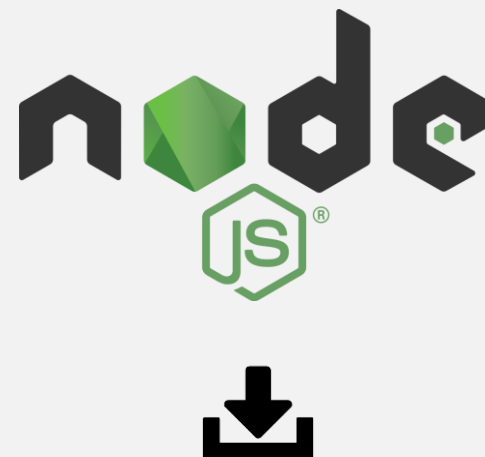
Conecte o cabo USB  
ao Arduino e ao  
computador de  
preferência



## 5º Passo

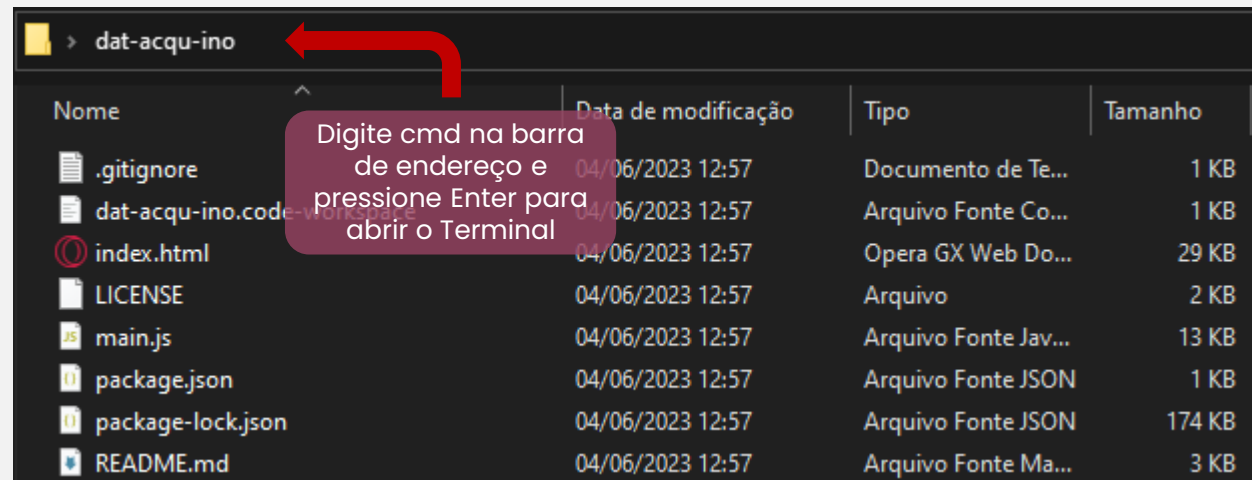
Faça o download da *API data-acqu-ino* disponibilizada por nossa Central de Suporte e do *Framework NodeJS*, caso ele não esteja instalado

data-acqu-ino



## 6º Passo

Acesse o diretório da API e execute o Terminal do Windows por meio da barra de endereço, digitando "**cmd**"





## 7º Passo

Execute os comandos ***npm i*** para instalação dos módulos importantes e, ao finalizar, execute o comando ***npm start***

```
C:\Windows\System32\cmd.exe
Microsoft Windows [versão 10.0.19044.2965]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\Luma\Desktop\dat-acqu-ino>npm i
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain
circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.

added 239 packages, and audited 240 packages in 13s

30 packages are looking for funding
  run `npm fund` for details

8 vulnerabilities (7 moderate, 1 critical)

To address all issues, run:
  npm audit fix

Run `npm audit` for details.

C:\Users\Luma\Desktop\dat-acqu-ino>
```

```
C:\Users\jonas\OneDrive\Área de Trabalho\sprint3 pi\sprint2\api-Arduino\dat-acqu-ino>npm start

> arduino-api@2.0.0 start
> node main.js

API executada com sucesso na porta 3300
A leitura do arduino foi iniciada na porta COM5 utilizando Baud Rate de 9600
```