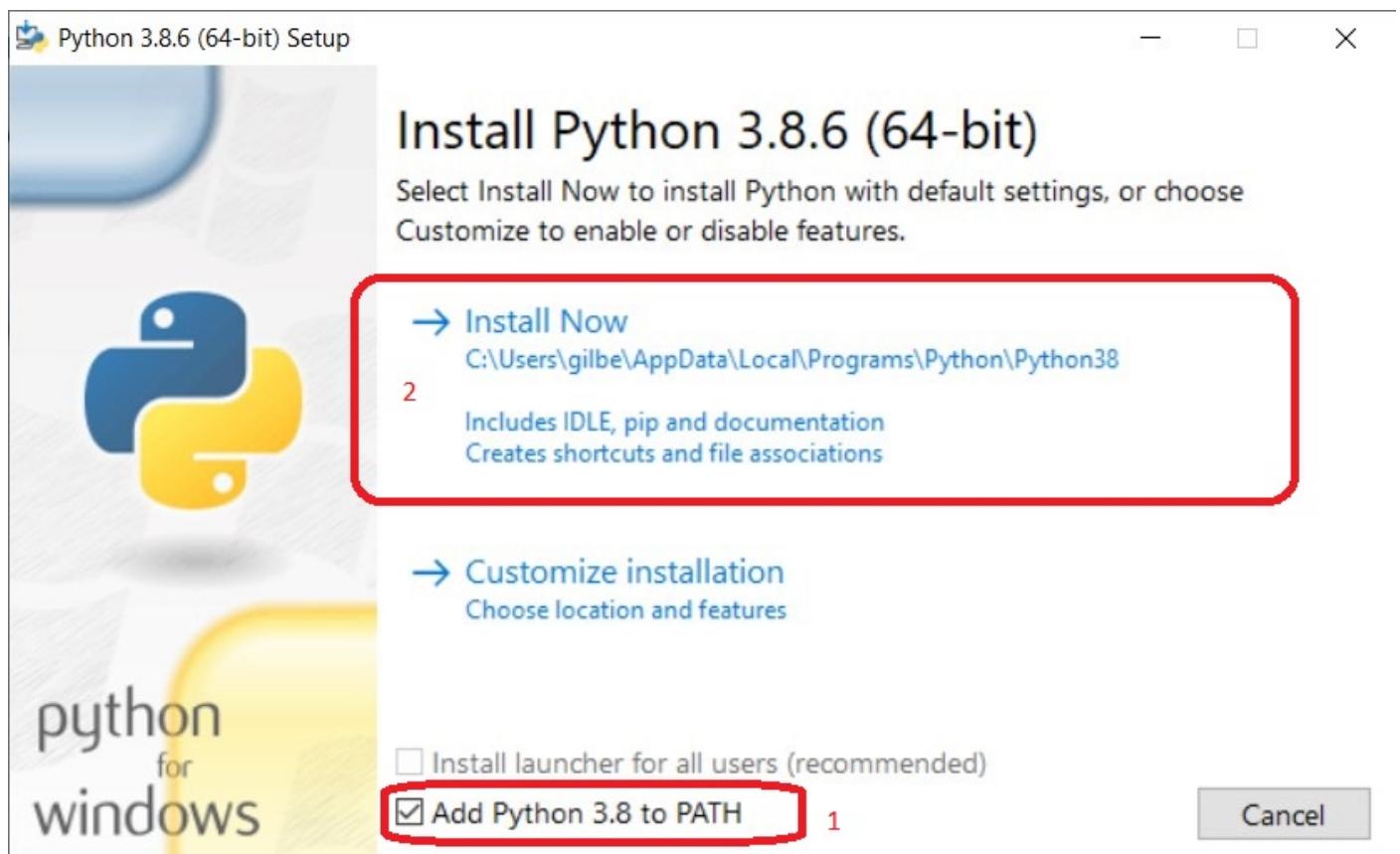


1 Python

Para instalação do **python** e do gerenciador de pacotes **pip3**, siga as orientações abaixo:

1. Realizar o download do arquivo <https://www.python.org/ftp/python/3.8.6/python-3.8.6-amd64.exe>
2. Instalar o arquivo baixado, marcando a opção "Add Python 3.X to PATH" e clicando em "Install now", conforme imagem abaixo:



Após finalizada a instalação, basta fechar a janela.

Para verificar se a instalação ocorreu com sucesso, abra o Prompt de Comando (também conhecido como "Terminal" e "Tela preta") e digite os comandos abaixo, conforme ilustração:

1. Digitar **python --version** e teclar **ENTER** - irá aparecer a versão do python instalada
2. Digitar **pip3 --version** e teclar **ENTER** - irá aparecer a versão do pip3

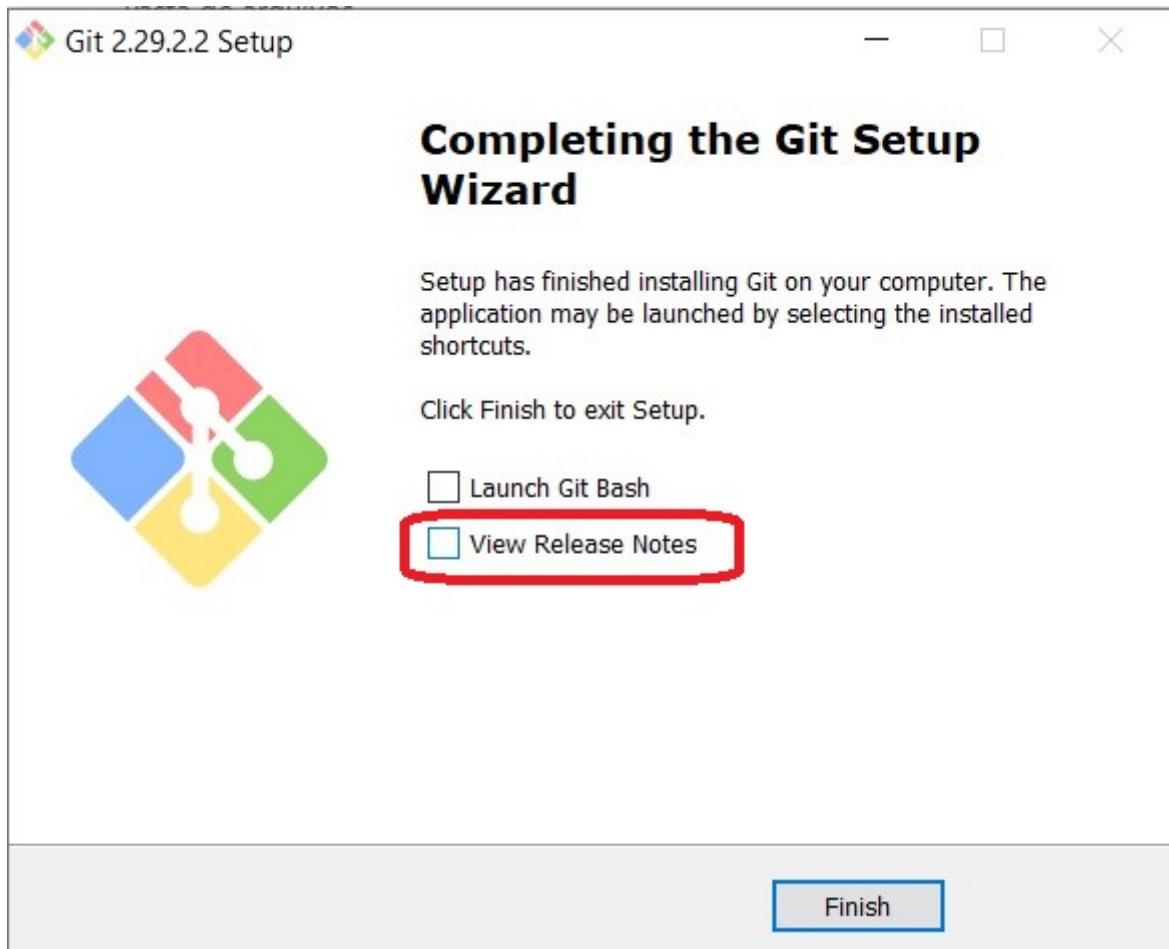
The screenshot shows a Windows Command Prompt window with the title 'Selecionar C:\Windows\system32\cmd.exe'. The command 'python --version' was run, resulting in the output 'Python 3.8.6'. The command 'pip3 --version' was also run, resulting in the output 'pip 20.2.1 from c:\users\gilbe\appdata\local\programs\python\python38\lib\site-packages\pip (python 3.8)'. The prompt ends with 'C:\Users\gilbe>'.

```
C:\Users\gilbe>python --version
Python 3.8.6
C:\Users\gilbe>pip3 --version
pip 20.2.1 from c:\users\gilbe\appdata\local\programs\python\python38\lib\site-packages\pip (python 3.8)
C:\Users\gilbe>
```

2 GIT

Para proceder a instalação da ferramenta GIT, siga os seguintes passos:

1. Realizar o download do arquivo <https://github.com/git-for-windows/git/releases/download/v2.29.2.windows.2/Git-2.29.2.2-64-bit.exe>
2. Clicar no arquivo baixado e realizar a instalação com as opções padrões (next, next, next...)
3. Ao final, **desmarque a opção "View Release Notes"**, conforme imagem abaixo:



Para verificar o correto funcionamento, digite no Terminal o comando **git --version**, conforme imagem abaixo:

```
C:\Windows\system32\cmd.exe
Microsoft Windows [versão 10.0.18363.1198]
(c) 2019 Microsoft Corporation. Todos os direitos reservados.

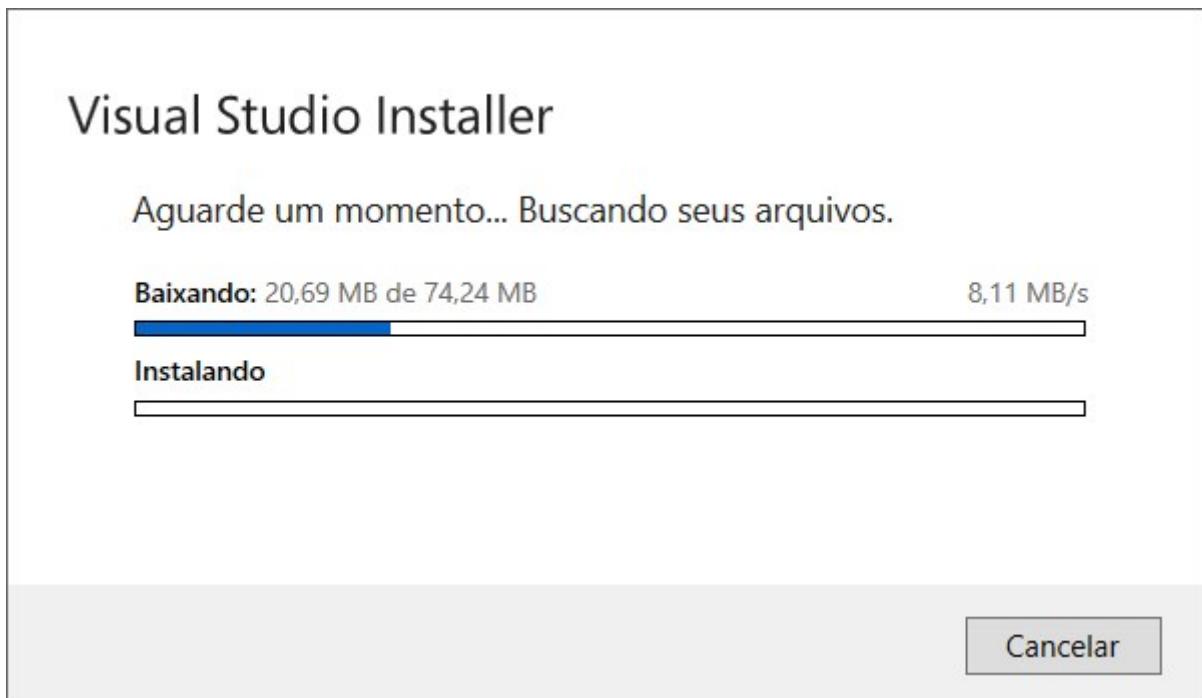
C:\Users\gilbe>git --version
git version 2.29.2.windows.2

C:\Users\gilbe>
```

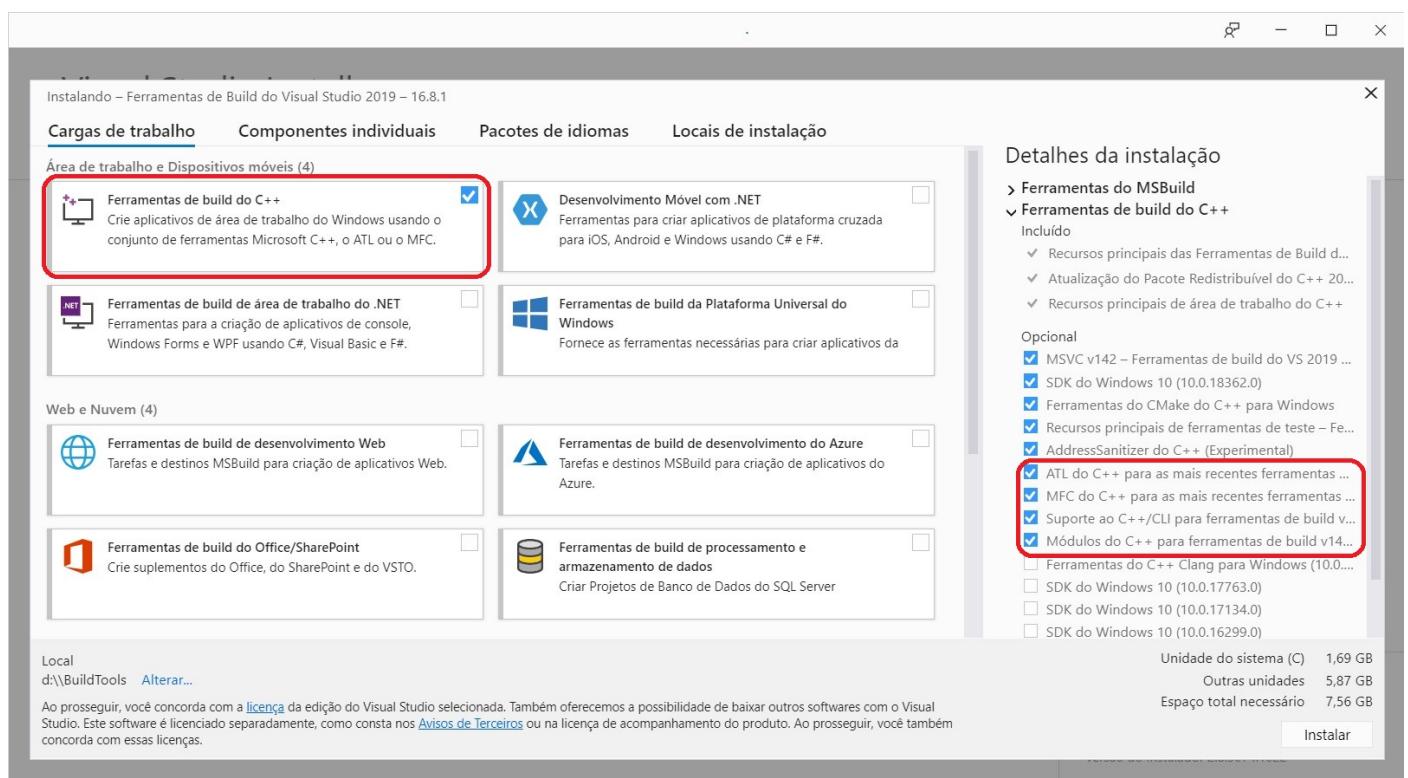
3 Microsoft Visual Studio Build Tools e Ferramentas C++

Para proceder a instalação do Microsoft Visual Studio Build Tools, siga os passos abaixo:

1. Realizar o download do arquivo https://aka.ms/vs/16/release/vs_buildtools.exe
2. Clicar no arquivo baixado e realizar a instalação padrão (next, next, next...);
3. Ao finalizar, abrir o programa Visual Studio Installer;
4. Selecionar a opção “Desenvolvimento para Desktop com C++” e clicar em “Instalar”, conforme imagens abaixo:



[Início da instalação do Visual Studio Installer]



[Instalação das Ferramentas C++]

Visual Studio Installer

[Instalado](#)

Disponível

Ferramentas de Build do Visual Studio 2019

Baixado
100% 
Instalando: pacote 245 de 294
96% 
Microsoft.VisualStudio.Platform.CallHierarchy

[Pausar](#)[Notas de versão](#)

Notícias do Desenvolvedor

[Visual Studio 2019 v16.8 and v16.9 Preview 1 Release](#)

Visual Studio team is proud to announce the...
quinta-feira, 12 de novembro de 2020

[Announcing the Release of the Git Experience in Visual Studio](#)

We're excited to announce that our new Git...
quinta-feira, 12 de novembro de 2020

[Announcing .NET 5.0](#)

We're excited to release .NET 5.0 today and for...
quinta-feira, 12 de novembro de 2020

[Ver mais online...](#)

Precisa de ajuda? Confira o [Microsoft Developer Community](#) ou fale conosco no [Suporte do Visual Studio](#).

Versão do Instalador 2.8.3074.1022

[Finalização da instalação]

4 NodeJS, npm e Anaconda

Para proceder a instalação das ferramentas NodeJS, npm e Anaconda, basta realizar o download dos arquivos abaixo, clicar nos arquivos baixados e proceder a instalação padrão (next, next, next...):

NodeJS e npm: <https://nodejs.org/download/release/v13.14.0/node-v13.14.0-x64.msi>

Para verificar a correta instalação, abra um novo Prompt de comando e digite **npm --version**, conforme imagem abaixo:



```
C:\Windows\system32\cmd.exe
C:\Users\gilbe>npm --version
6.14.4
C:\Users\gilbe>
```

A screenshot of a Windows Command Prompt window titled 'C:\Windows\system32\cmd.exe'. The window shows the command 'npm --version' being run and its output '6.14.4'. The prompt then changes to 'C:\Users\gilbe>'.

Anaconda: https://repo.anaconda.com/archive/Anaconda3-2020.07-Windows-x86_64.exe

Para verificar a correta instalação, aperte a tecla "Windows" e pesquise por "Anaconda". As aplicações "Anaconda Navigator", "Anaconda prompt" e "Anaconda powershell prompt" devem aparecer, conforme imagem abaixo:

[Tudo](#)[Aplicativos](#)[Documentos](#)[Web](#)[Mais ▾](#)

...

Melhor correspondência

**Anaconda Navigator (anaconda3)**

Aplicativo

Aplicativos

▀ Anaconda Prompt (anaconda3) >**▀ Anaconda Powershell Prompt (anaconda3) >****▀ Spyder (anaconda3) >****▀ Jupyter Notebook (anaconda3) >****▀ Reset Spyder Settings (anaconda3) >**

Pesquisar na Web

🔍 anaconda - Ver resultados da Web >**🔍 anaconda python >****🔍 anaconda download >****🔍 anaconda navigator >****🔍 anaconda 4 >****🔍 anaconda Navigator (anaconda3)****Anaconda Navigator (anaconda3)**

Aplicativo



Abrir



Executar como administrador



Abrir local do arquivo



Fixar em Iniciar



Fixar na barra de tarefas



Desinstalar

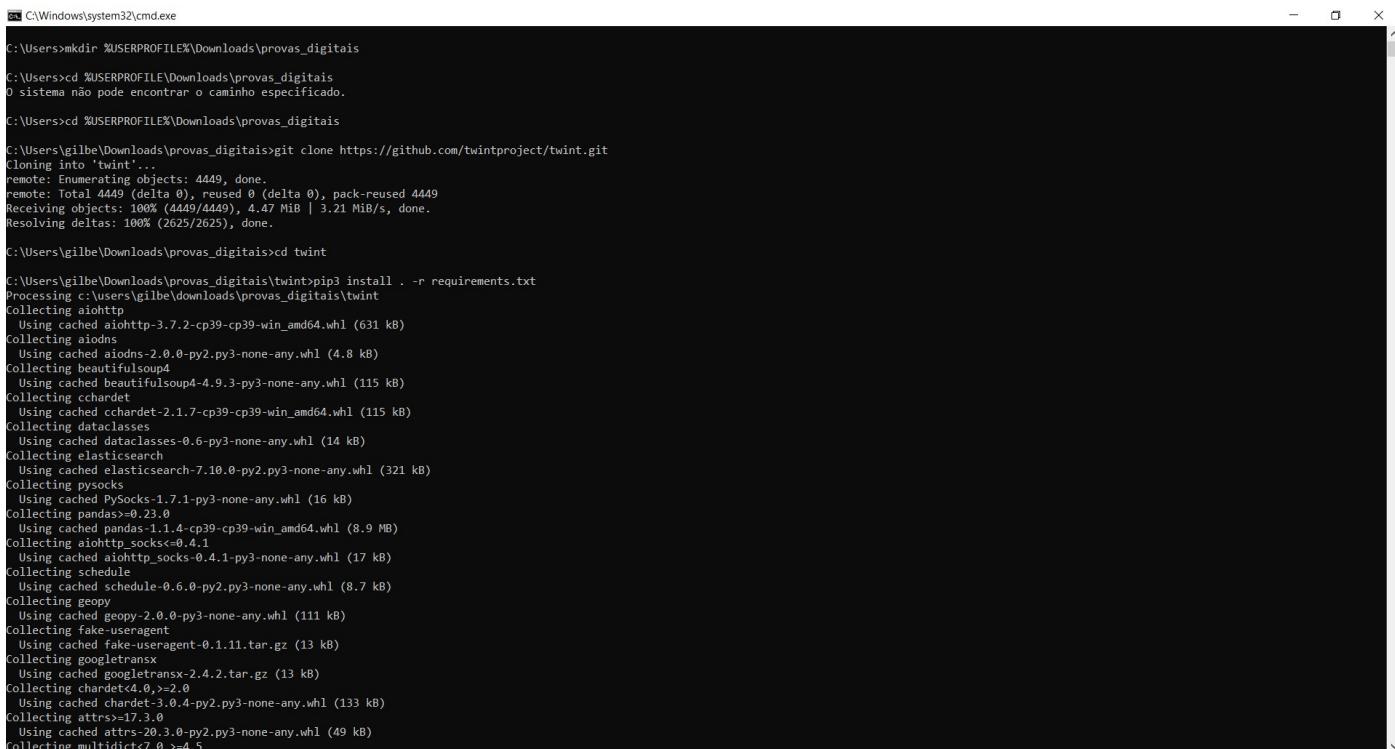
5 Twint

Para instalar a ferramenta **twint**, execute os passos a seguir:

1. Abrir um novo prompt de comando (tecla Windows + R; digitar **cmd**; ENTER);
2. Copiar e colar o comando **mkdir %USERPROFILE%\Downloads\provas_digitais** e pressionar ENTER;
3. Copiar e colar o comando **cd %USERPROFILE%\Downloads\provas_digitais** e pressionar ENTER;
4. Copiar e colar o comando **git clone https://github.com/twintproject/twint.git** e pressionar ENTER;
5. Copiar e colar o comando **cd twint** e pressionar ENTER;
6. Copiar e colar o comando **pip3 install . -r requirements.txt** e pressionar ENTER
(este comando gerará muito texto na tela, conforme imagens abaixo);
7. Copiar e colar o comando **pip3 install twint** e pressionar ENTER.

Obs: Caso o Ctrl+C, Ctrl+V não funcione no terminal, realize o Ctrl+C do comando e clique com o botão direito do mouse no terminal, que o texto deve ser colado.

Ilustrações da instalação:



```
C:\Windows\system32\cmd.exe
C:\Users>mkdir %USERPROFILE%\Downloads\provas_digitais
C:\Users>cd %USERPROFILE%\Downloads\provas_digitais
O sistema não pode encontrar o caminho especificado.
C:\Users>rd %USERPROFILE%\Downloads\provas_digitais
C:\Users\gilbe\Downloads\provas_digitais>git clone https://github.com/twintproject/twint.git
Cloning into 'twint'...
remote: Enumerating objects: 4449, done.
remote: Total 4449 (delta 0), reused 0 (delta 0), pack-reused 4449
Receiving objects: 100% (4449/4449), 4.47 MiB | 3.21 MiB/s, done.
Resolving deltas: 100% (2625/2625), done.
C:\Users\gilbe\Downloads\provas_digitais>cd twint
C:\Users\gilbe\Downloads\provas_digitais\twint>pip3 install . -r requirements.txt
Processing c:\users\gilbe\downloads\provas_digitais\twint
Collecting aiohttp
  Using cached aiohttp-3.7.2-cp39-cp39-win_amd64.whl (631 kB)
Collecting aiodns
  Using cached aiodns-2.0.0-py2.py3-none-any.whl (4.8 kB)
Collecting beautifulsoup4
  Using cached beautifulsoup4-4.9.3-py3-none-any.whl (115 kB)
Collecting chardet
  Using cached chardet-2.1.7-cp39-cp39-win_amd64.whl (115 kB)
Collecting dataclasses
  Using cached dataclasses-0.6-py3-none-any.whl (14 kB)
Collecting elasticsearch
  Using cached elasticsearch-7.10.0-py3-none-any.whl (321 kB)
Collecting psycopg
  Using cached PySocks-1.7.1-py3-none-any.whl (16 kB)
Collecting pandas==0.23.0
  Using cached pandas-1.1.4-cp39-cp39-win_amd64.whl (8.9 MB)
Collecting aiohttp_socks<=0.4.1
  Using cached aiohttp_socks-0.4.1-py3-none-any.whl (17 kB)
Collecting schedule
  Using cached schedule-0.6.0-py2.py3-none-any.whl (8.7 kB)
Collecting geopy
  Using cached geopy-2.0.0-py3-none-any.whl (111 kB)
Collecting fake-useragent
  Using cached fake-useragent-0.1.11.tar.gz (13 kB)
Collecting googletransx
  Using cached googletransx-2.4.2.tar.gz (13 kB)
Collecting chardet<4.0,>=2.0
  Using cached chardet-3.0.4-py2.py3-none-any.whl (133 kB)
Collecting attrs>=17.3.0
  Using cached attrs-20.3.0-py2.py3-none-any.whl (49 kB)
Collecting multidict<7.0,>=4.5
```

```
Selezionare C:\Windows\system32\cmd.exe
Collecting typing_extensions>=3.6.5
  Using cached typing_extensions-3.7.4.3-py3-none-any.whl (22 kB)
Collecting async_timeout<4.0,>=3.0
  Using cached async_timeout-3.0.1-py3-none-any.whl (8.2 kB)
Collecting yaml<2.0,>>1.0
  Using cached yaml-1.6.2-cp39-cp39-win_amd64.whl (127 kB)
Collecting pycarese>=3.0.0
  Using cached pycarese-3.1.1.tar.gz (233 kB)
Collecting soupsieve<1.2; python_version >= "3.0"
  Using cached soupsieve-2.0.1-py3-none-any.whl (32 kB)
Collecting certifi
  Using cached certifi-2020.11.8-py2.py3-none-any.whl (155 kB)
Collecting urllib3<,>=1.21.1
  Downloading urllib3-1.26.2-py2.py3-none-any.whl (136 kB) | 136 kB 2.2 MB/s
Collecting python-dateutil>=2.7.3
  Using cached python_dateutil-2.8.1-py2.py3-none-any.whl (227 kB)
Collecting numpy>=1.15.4
  Using cached numpy-1.19.4-cp39-cp39-win_amd64.whl (13.0 MB)
Collecting pytz>=2017.2
  Using cached pytz-2020.4-py2.py3-none-any.whl (509 kB)
Collecting geographiclib<2,>>1.49
  Using cached geographiclib-1.50-py3-none-any.whl (38 kB)
Collecting requests
  Using cached requests-2.25.0-py2.py3-none-any.whl (61 kB)
Collecting idna>=2.0
  Using cached idna-2.10-py2.py3-none-any.whl (58 kB)
Collecting cffi>=1.5.0
  Using cached cffi-1.14.3-cp39-cp39-win_amd64.whl (179 kB)
Collecting six>=1.5
  Using cached six-1.15.0-py2.py3-none-any.whl (10 kB)
Collecting pycparser
  Using cached pycparser-2.20-py2.py3-none-any.whl (112 kB)
Using legacy 'setup.py install' for fake-useragent, since package 'wheel' is not installed.
Using legacy 'setup.py install' for googletransx, since package 'wheel' is not installed.
Using legacy 'setup.py install' for twint, since package 'wheel' is not installed.
Using legacy 'setup.py install' for pycarese, since package 'wheel' is not installed.
Installing collected packages: chardet, attrs, multidict, typing_extensions, async-timeout, idna, yaml, aiohttp, pycarese, cffi, pycarese, aiodns, soupsieve, beautifulsoup4, cchardet, dataclasses, certifi, urllib3, elasticsearch, pysocks, six, python-dateutil, numpy, pytz, pandas, aiohttp-socks, schedule, geographiclib, geopy, fake-useragent, requests, googletransx, twint
  Running setup.py install for pycarese ... done
  Running setup.py install for fake-useragent ... done
  Running setup.py install for googletransx ... done
  Running setup.py install for twint ... done
Successfully installed aiodns-2.0.0 aiohttp-2.0.2 aiohttp-socks-0.4.1 async-timeout-3.0.1 attrs-20.3.0 beautifulsoup4-4.9.3 cchardet-2.1.7 certifi-2020.11.8 cffi-1.14.3 chardet-3.0.4 dataclasses-0.6 elasticsearch-7.10.0 fake-useragent-0.1.11 geographiclib-1.50 geopy-2.0.0 googletransx-2.4.2 idna-2.10 multidict-5.0.0 numpy-1.19.4 pandas-1.1.4 pycarese-3.1.1 pycparser-2.20 pysocks-1.7.1 python-dateutil-2.8.1 pytz-2020.4 requests-2.25.0 schedule-0.6.0 six-1.15.0 soupsieve-2.0.1 twint-2.1.21 typing_extensions-3.7.4.3 urllib3-1.26.2 yaml-1.6.2
WARNING: You are using pip version 20.2.3; however, version 20.2.4 is available.
You should consider upgrading via the 'c:\users\gilbe\appdata\local\programs\python\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\gilbe\Downloads\provas_digitais\twint>pip3 install twint
```

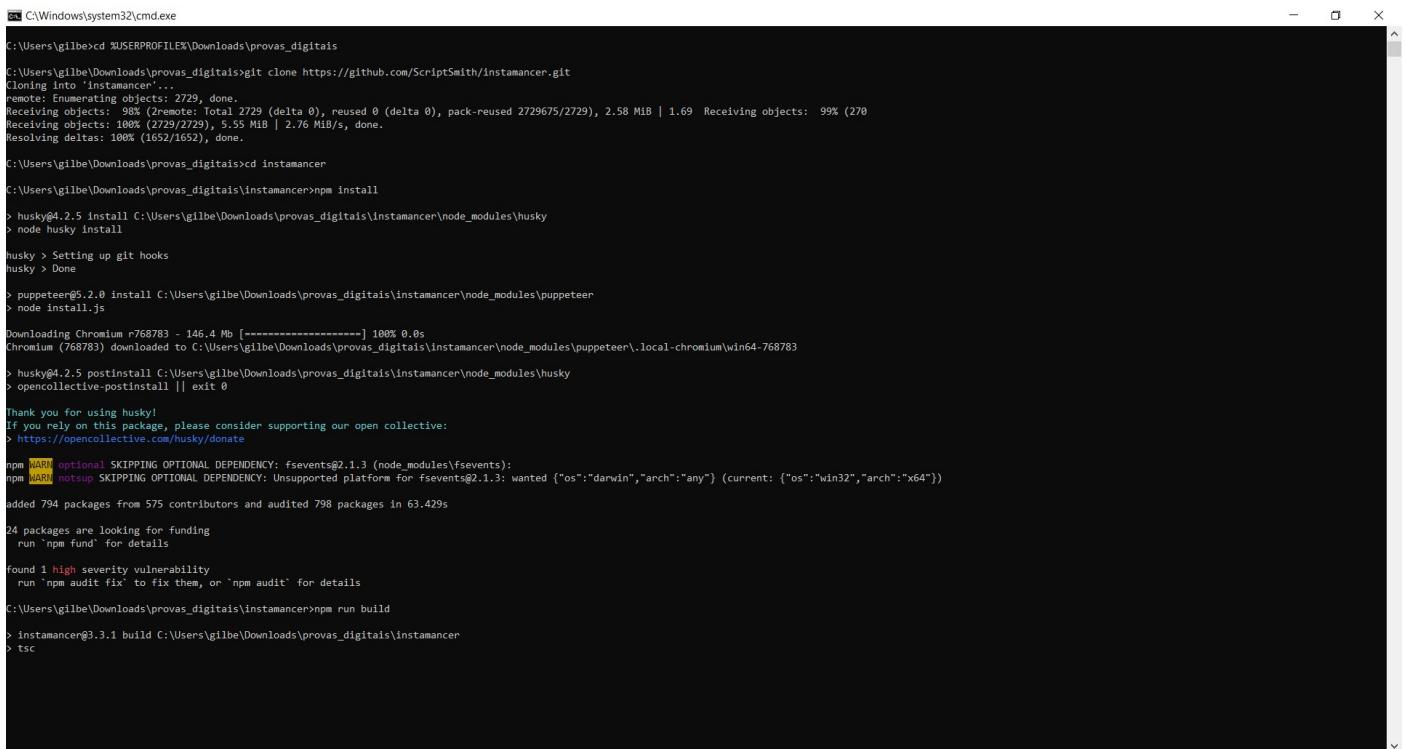
6 Instamancer

Para instalar a ferramenta **instamancer**, execute os passos a seguir:

1. Abrir um prompt de comando (tecla Windows + R; digitar **cmd**; ENTER);
2. Copiar e colar o comando **cd %USERPROFILE%\Downloads\provas_digitais** e pressionar ENTER;
3. Copiar e colar o comando **git clone https://github.com/ScriptSmith/instamancer.git** e pressionar ENTER;
4. Copiar e colar o comando **cd instamancer** e pressionar ENTER;
5. Copiar e colar o comando **npm install** e pressionar ENTER;
6. Copiar e colar o comando **npm run build** e pressionar ENTER.
7. Copiar e colar o comando **npm install -g** e pressionar ENTER.

Obs: Caso o Ctrl+C, Ctrl+V não funcione no terminal, realize o Ctrl+C do comando e clique com o botão direito do mouse no terminal, que o texto deve ser colado.

Ilustração da instalação:



```
C:\Windows\system32\cmd.exe
C:\Users\gilbe>cd %USERPROFILE%\Downloads\provas_digitais
C:\Users\gilbe\Downloads\provas_digitais>git clone https://github.com/ScriptSmith/instamancer.git
Cloning into 'instamancer'...
remote: Enumerating objects: 2729, done.
Receiving objects: 100% (2729/2729), 5.55 MiB | 2.76 MiB/s, done.
Resolving deltas: 100% (1652/1652), done.
C:\Users\gilbe\Downloads\provas_digitais>cd instamancer
C:\Users\gilbe\Downloads\provas_digitais\Instamancer>npm install
> husky@4.2.5 install C:\Users\gilbe\Downloads\provas_digitais\Instamancer\node_modules\husky
> node husky install
husky > Setting up git hooks
husky > Done
> puppeteer@5.2.0 install C:\Users\gilbe\Downloads\provas_digitais\Instamancer\node_modules\puppeteer
> node install.js
Downloading Chromium r768783 - 146.4 Mb [=====] 100% 0.9s
Chromium (768783) downloaded to C:\Users\gilbe\Downloads\provas_digitais\Instamancer\node_modules\puppeteer\local-chromium\win64-768783
> husky@4.2.5 postinstall C:\Users\gilbe\Downloads\provas_digitais\Instamancer\node_modules\husky
> opencollective-postinstall || exit 0

Thank you for using husky!
If you rely on this package, please consider supporting our open collective:
> https://opencollective.com/husky/donate

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.3 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.3: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 794 packages from 575 contributors and audited 798 packages in 63.429s

24 packages are looking for funding
  run 'npm fund' for details

found 1 high severity vulnerability
  run 'npm audit fix' to fix them, or 'npm audit' for details
C:\Users\gilbe\Downloads\provas_digitais\Instamancer>npm run build
> instamancer@3.3.1 build C:\Users\gilbe\Downloads\provas_digitais\Instamancer
> tsc
```

7 Instagram-scrapper

Para instalar a ferramenta "Instragram-scrapper", siga os passos abaixo:

1. Abrir um prompt de comando;
2. Digite **pip install instagram-scraper** (comando que baixa e instala a ferramenta "instagram-scraper");
3. Digite **pip install instagram-scraper --upgrade** (comando que atualiza a ferramenta)

Ilustração da instalação:

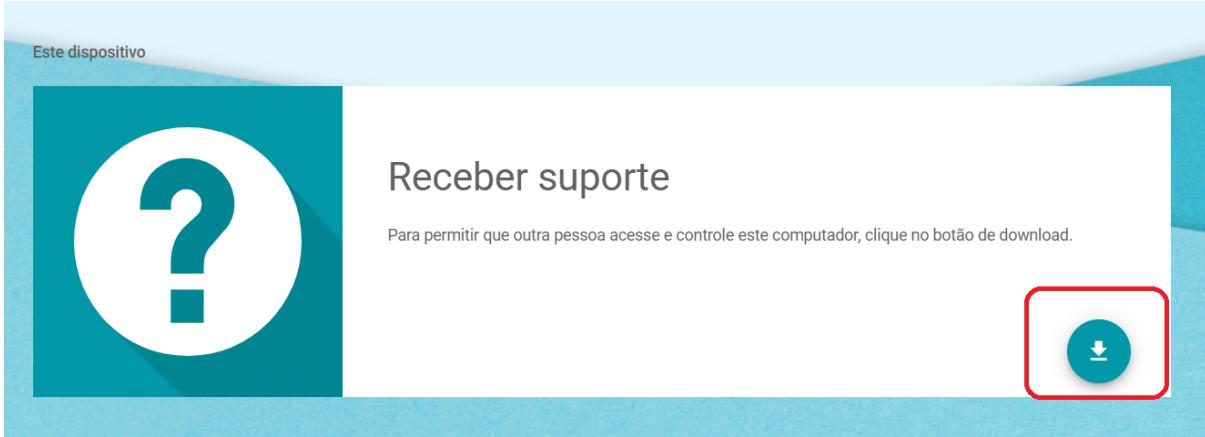
```
C:\Windows\system32\cmd.exe
C:\Users\gilbe>pip install instagram-scraper
Collecting instagram-scraper
  Using cached Instagram-scraper-1.9.1.tar.gz (35 kB)
Requirement already satisfied: requests>=2.18.4 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from instagram-scraper) (2.25.0)
Collecting tqdm>=1.8.0
  Using cached tqdm-4.51.0-py2.py3-none-any.whl (70 kB)
Collecting moviepy>1.0.0
  Using cached moviepy-1.0.3.tar.gz (308 kB)
Requirement already satisfied: urllib3<1.27,>>1.21.1 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (1.26.2)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (2020.11.8)
Requirement already satisfied: charset<4,>>3.0.2 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (3.0.4)
Requirement already satisfied: idna<3,>>2.5 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (2.10)
Collecting decorator<5.0,>>4.2
  Using cached decorator-4.4.2-py2.py3-none-any.whl (9.2 kB)
Collecting prolog<1.0.0
  Using cached prolog-0.1.9.tar.gz (10 kB)
Requirement already satisfied: numpy>=1.17.3 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from moviepy>=1.0.0->instagram-scraper) (1.19.4)
Collecting imageio<3.0,>>2.5
  Using cached imageio-2.9.0-py3-none-any.whl (3.3 MB)
Collecting imageio_ffmpeg>0.2.0
  Using cached imageio_ffmpeg-0.4.2-py3-none-win_amd64.whl (22.6 MB)
Collecting pillow
  Using cached Pillow-8.0.1-cp39-cp39-win_amd64.whl (2.1 MB)
Using legacy 'setup.py install' for instagram-scraper, since package 'wheel' is not installed.
Using legacy 'setup.py install' for moviepy, since package 'wheel' is not installed.
Using legacy 'setup.py install' for prolog, since package 'wheel' is not installed.
Installing collected packages: tqdm, decorator, prolog, pillow, imageio, imageio-ffmpeg, moviepy, instagram-scraper
  Running setup.py install for prolog ... done
  Running setup.py install for moviepy ... done
  Running setup.py install for instagram-scraper ... done
Successfully installed decorator-4.4.2 imageio-2.9.0 imageio-ffmpeg-0.4.2 instagram-scraper-1.9.1 moviepy-1.0.3 pillow-8.0.1 prolog-0.1.9 tqdm-4.51.0
WARNING: You are using pip version 20.2.3; however, version 20.2.4 is available.
You should consider upgrading via the 'c:\users\gilbe\appdata\local\programs\python\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\gilbe>pip install instagram-scraper --upgrade
Requirement already up-to-date: instagram-scraper in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (1.9.1)
Requirement already satisfied, skipping upgrade: requests>=2.18.4 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from instagram-scraper) (2.25.0)
Requirement already satisfied, skipping upgrade: tqdm>=1.8.0 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from instagram-scraper) (4.51.0)
Requirement already satisfied, skipping upgrade: moviepy>1.0.0 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from instagram-scraper) (1.0.3)
Requirement already satisfied, skipping upgrade: urllib3<1.27,>>1.21.1 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (1.26.2)
Requirement already satisfied, skipping upgrade: certifi>=2017.4.17 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (2020.11.8)
Requirement already satisfied, skipping upgrade: idna<3,>>2.5 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (2.10)
Requirement already satisfied, skipping upgrade: charset<4,>>3.0.2 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.18.4->instagram-scraper) (3.0.4)
Requirement already satisfied, skipping upgrade: decorator<5.0,>>4.0.2 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from moviepy>=1.0.0->instagram-scraper) (4.4.2)
Requirement already satisfied, skipping upgrade: prolog<1.0.0,>>4.0.2 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from moviepy>=1.0.0->instagram-scraper) (0.4.2)
Requirement already satisfied, skipping upgrade: numpy>=1.17.3 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from moviepy>=1.0.0->instagram-scraper) (1.19.4)
Requirement already satisfied, skipping upgrade: imageio<3.0,>>2.5 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from moviepy>=1.0.0->instagram-scraper) (2.9.0)
Requirement already satisfied, skipping upgrade: imageio_ffmpeg>0.2.0 in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from moviepy>=1.0.0->instagram-scraper) (0.4.2)
Requirement already satisfied, skipping upgrade: pillow in c:\users\gilbe\appdata\local\programs\python\python39\lib\site-packages (from imageio<3.0,>>2.5->moviepy>=1.0.0->instagram-scraper) (8.0.1)
```

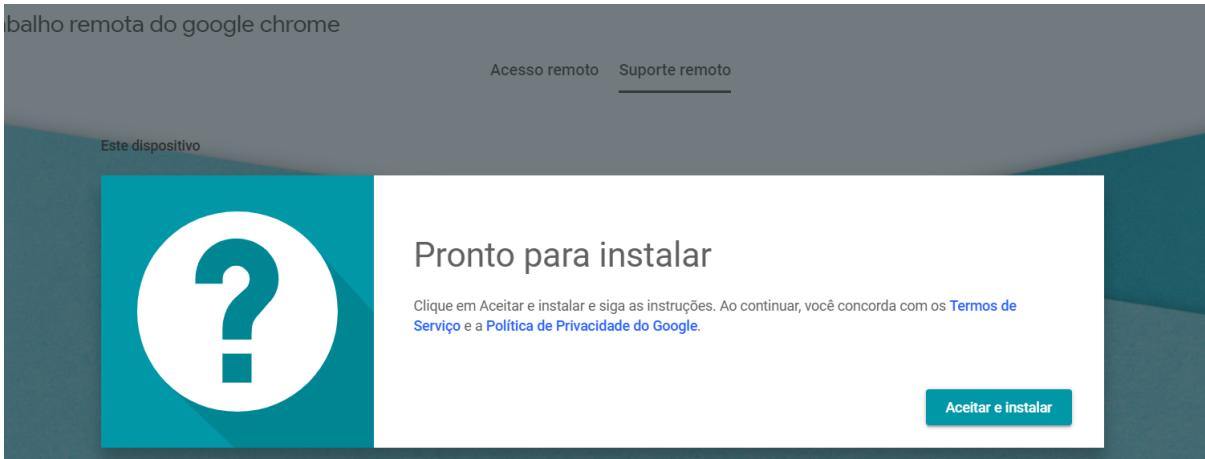
8 Chrome Remote Desktop

Para instalar a ferramenta "Chrome Remote Desktop", siga os passos abaixo:

1. Acessar o site <https://remotedesktop.google.com/support>;
2. Clicar na aba "Suporte remoto" e clicar no botão de download, conforme imagem abaixo:



3. Clicar em Aceitar e instalar:



4. Se tudo correu bem, ao acessar novamente a aba "Suporte remoto" no endereço <https://remotedesktop.google.com/support>, aparecerá o botão "Gerar código":

