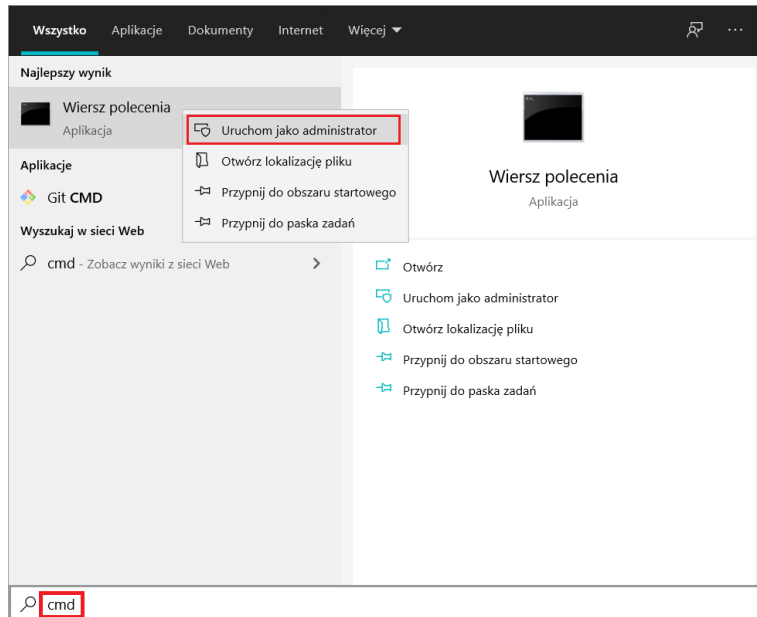


## 1. Check your python version

Search for „cmd” in Windows, and run it (terminal) as administrator.



Type `python --version`:

```
C:\WINDOWS\system32>python --version
Python was not found; run without arguments to install from the Microsoft Store, or disable this shortcut from Settings
> Manage App Execution Aliases.

C:\WINDOWS\system32>
```

## 2. Download and install Python.

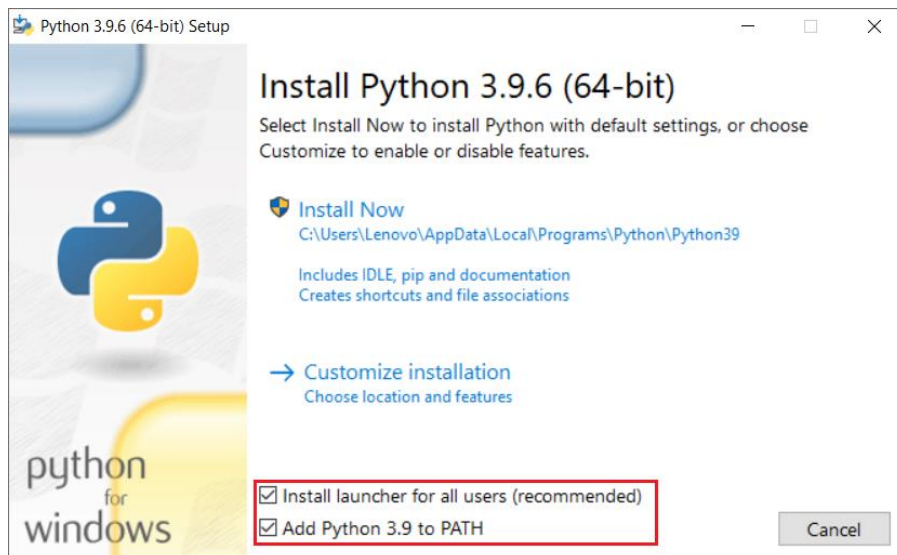
Visit the site:

<https://www.python.org/downloads/release/python-396/>

scroll down the site and choose python version for your os.

<a href="#">Windows embeddable package (32-bit)</a>	Windows		5b9693f74979e86a9d463cf73bf0c2ab	7599619	<a href="#">SIG</a>
<a href="#">Windows embeddable package (64-bit)</a>	Windows		89980d3e54160c10554b01f2b9f0a03b	8448277	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		91482c82390caa62accfdacbaabf618	6501645	<a href="#">SIG</a>
<a href="#">Windows installer (32-bit)</a>	Windows		90987973d91d4e2cddb86c4e0a54ba7e	24931328	<a href="#">SIG</a>
<a href="#">Windows installer (64-bit)</a>	Windows	Recommended	ac25cf79f710bf31601ed067ccd07deb	26037888	<a href="#">SIG</a>

Install python, remember to check both checkboxes:



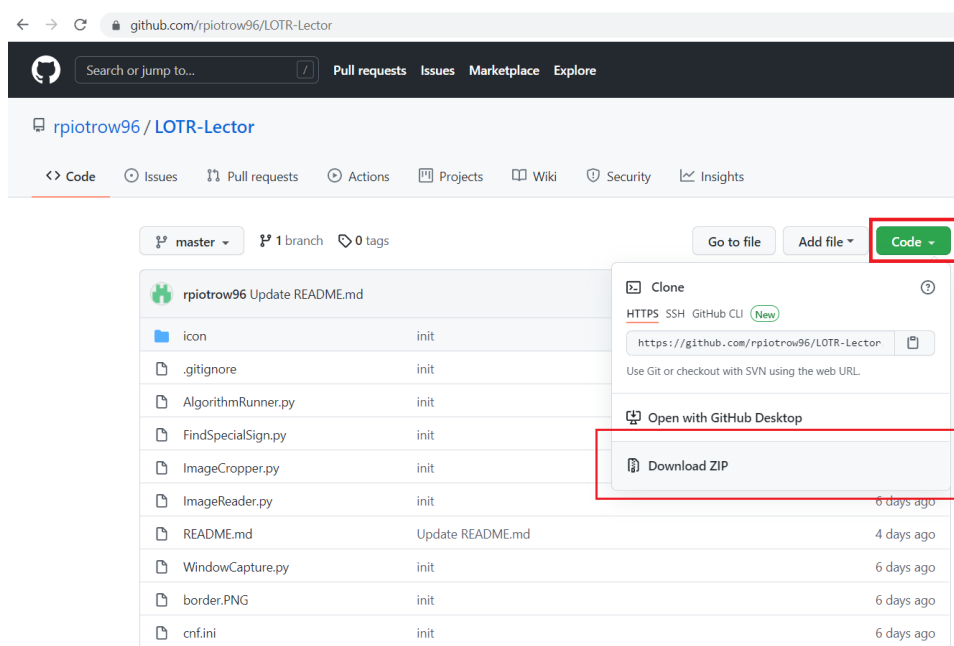
Click install now.

After installation, run new terminal and type `python --version`. You should see something like this:

```
C:\WINDOWS\system32>python --version
Python 3.9.6
C:\WINDOWS\system32>
```

### 3. Download the project

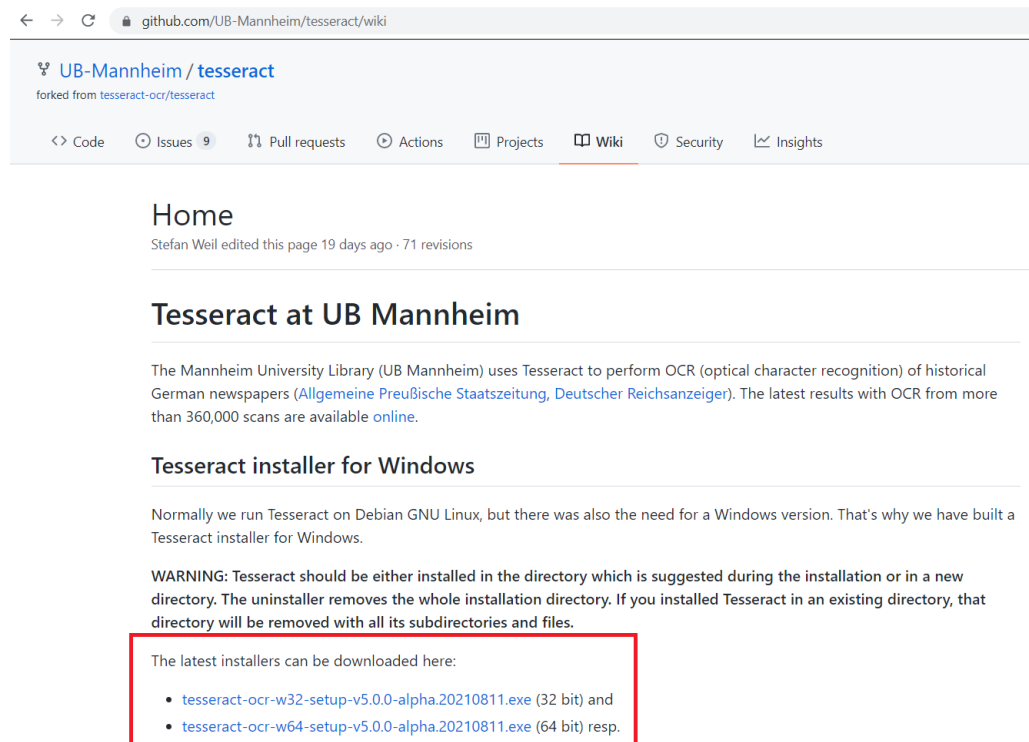
<https://github.com/rpiotrow96/LOTR-Lector>



Click Code -> Download ZIP and unzip it.

#### 4. download and install tesseract

<https://github.com/UB-Mannheim/tesseract/wiki>



← → ↻ github.com/UB-Mannheim/tesseract/wiki

UB-Mannheim / tesseract  
forked from tesseract-ocr/tesseract

<> Code Issues 9 Pull requests Actions Projects Wiki Security Insights

## Home

Stefan Weil edited this page 19 days ago · 71 revisions

### Tesseract at UB Mannheim

The Mannheim University Library (UB Mannheim) uses Tesseract to perform OCR (optical character recognition) of historical German newspapers (*Allgemeine Preußische Staatszeitung*, *Deutscher Reichsanzeiger*). The latest results with OCR from more than 360,000 scans are available [online](#).

### Tesseract installer for Windows

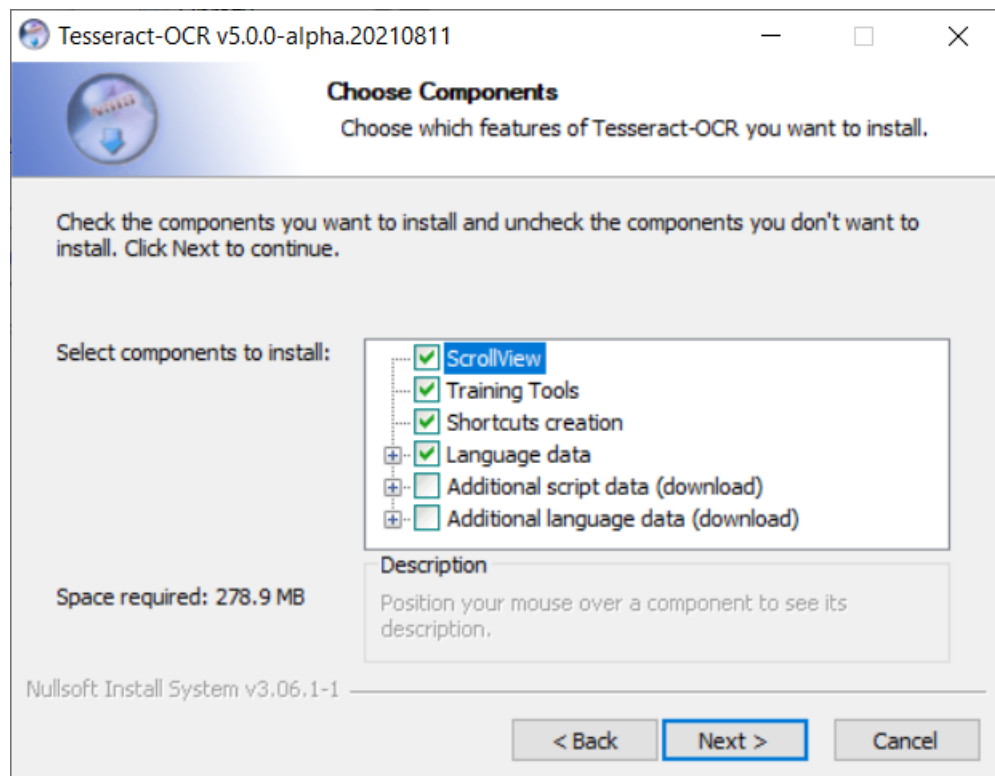
Normally we run Tesseract on Debian GNU Linux, but there was also the need for a Windows version. That's why we have built a Tesseract installer for Windows.

**WARNING:** Tesseract should be either installed in the directory which is suggested during the installation or in a new directory. The uninstaller removes the whole installation directory. If you installed Tesseract in an existing directory, that directory will be removed with all its subdirectories and files.

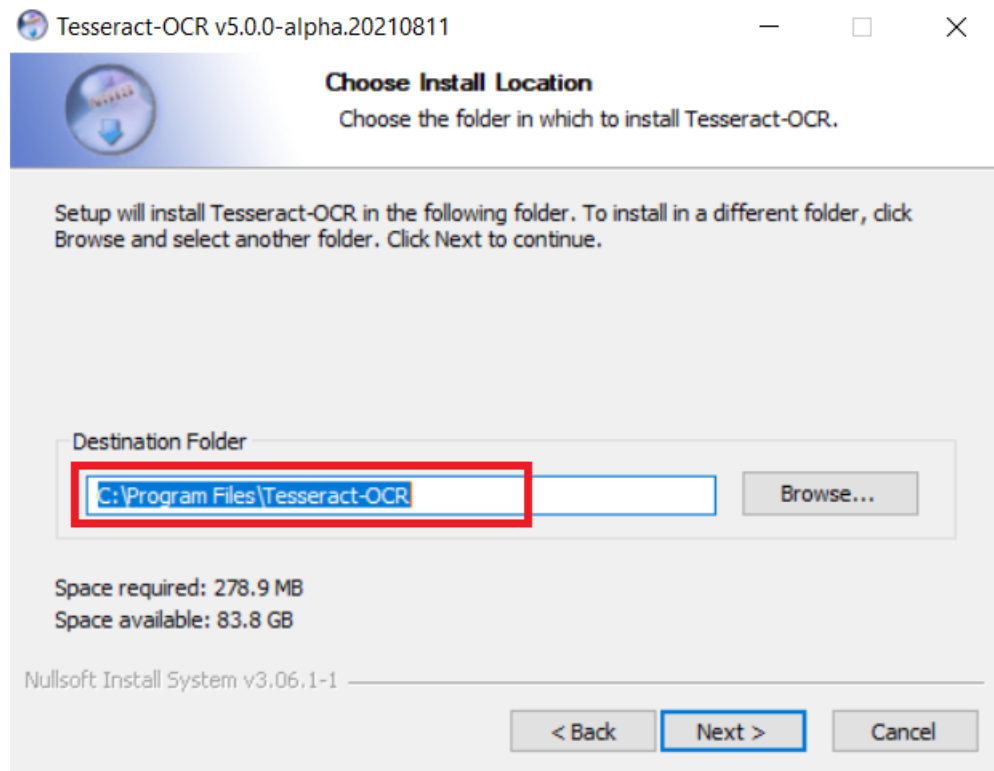
The latest installers can be downloaded here:

- [tesseract-ocr-w32-setup-v5.0.0-alpha.20210811.exe](#) (32 bit) and
- [tesseract-ocr-w64-setup-v5.0.0-alpha.20210811.exe](#) (64 bit) resp.

Installation:



Remember to **NOT EDIT** the Destination Folder! if you do, you will have to edit the python configuration file as well.



Then click next and install.

##### 5. Download python libraries

Open terminal (as previous) and run command:

```
pip install git+https://github.com/rpiotrow96/LOTR-Lector.git
```

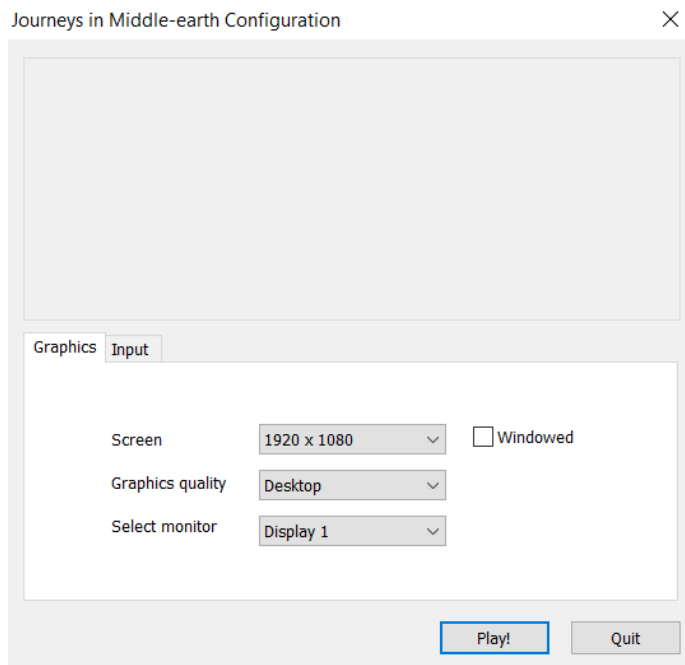
```
Administrator: Wiersz polecenia
Microsoft Windows [Version 10.0.19043.1165]
(c) Microsoft Corporation. Wszelkie prawa zastrzeżone.

C:\WINDOWS\system32>pip install git+https://github.com/rpiotrow96/LOTR-Lector.git
Collecting git+https://github.com/rpiotrow96/LOTR-Lector.git
  Cloning https://github.com/rpiotrow96/LOTR-Lector.git to c:\users\lenovo\appdata\local\temp\pip-req-build-2hf8rrep
  Running command git clone -q https://github.com/rpiotrow96/LOTR-Lector.git 'C:\Users\lenovo\AppData\Local\Temp\pip-req-build-2hf8rrep'
Collecting gttts
  Downloading gttts-2.2.3-py3-none-any.whl (25 kB)
Collecting playsound==1.2.2
  Downloading playsound-1.2.2-py2.py3-none-any.whl (6.0 kB)
Collecting pyteseract
  Downloading pyteseract-0.3.8.tar.gz (14 kB)
Collecting opencv-python
  Downloading opencv-python-4.5.3.56-cp39-cp39-win_amd64.whl (34.9 MB)
    | 34.9 MB 1.3 MB/s
Collecting pywin32
  Downloading pywin32-301-cp39-cp39-win_amd64.whl (9.3 MB)
    | 9.3 MB 819 kB/s
Collecting six
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting requests
  Downloading requests-2.26.0-py2.py3-none-any.whl (62 kB)
    | 62 kB 267 kB/s
Collecting click
  Downloading click-8.0.1-py3-none-any.whl (97 kB)
    | 97 kB 730 kB/s
Collecting colorama
  Downloading colorama-0.4.4-py2.py3-none-any.whl (16 kB)
Collecting numpy>=1.19.3
  Downloading numpy-1.21.2-cp39-cp39-win_amd64.whl (14.0 MB)
    | 14.0 MB 403 kB/s
Collecting Pillow
  Downloading Pillow-8.3.1-1-cp39-cp39-win_amd64.whl (3.2 MB)
    | 3.2 MB 939 kB/s
Collecting certifi>=2017.4.17
  Downloading certifi-2021.5.30-py2.py3-none-any.whl (145 kB)
    | 145 kB 939 kB/s
Collecting charset-normalizer==2.0.0
  Downloading charset-normalizer-2.0.4-py3-none-any.whl (36 kB)
Collecting urllib3<1.27,>=1.21.1
  Downloading urllib3-1.26.6-py2.py3-none-any.whl (138 kB)
    | 138 kB 819 kB/s
Collecting idna>=2.5
  Downloading idna-3.2-py3-none-any.whl (59 kB)
    | 59 kB 939 kB/s
Using legacy 'setup.py install' for LOTR-Lector, since package 'wheel' is not installed.
Using legacy 'setup.py install' for pyteseract, since package 'wheel' is not installed.
Installing collected packages: urllib3, idna, colorama, charset-normalizer, certifi, six, requests, Pillow, numpy, click, pywin32, pyteseract, playsound, opencv-python, gttts, LOTR-Lector
Running setup.py install for pyteseract ... done
Running setup.py install for LOTR-Lector ... done
Successfully installed LOTR-Lector-1.0 Pillow-8.3.1 certifi-2021.5.30 charset-normalizer-2.0.4 click-8.0.1 colorama-0.4.4 gttts-2.2.3 idna-3.2 numpy-1.21.2 opencv-python-4.5.3.56 playsound-1.2.2 pyteseract-0.3.8
pywin32-301 requests-2.26.0 six-1.16.0 urllib3-1.26.6
WARNING: You are using pip version 21.1.3; however, version 21.2.4 is available.
You should consider upgrading via the 'C:\Users\lenovo\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.

C:\WINDOWS\system32>
```

Wait for downloading all libraries and close terminal.

## 6. Run the app!



Open terminal and go to directory where you unzipped app.

On my computer I typed: `cd ..\..\Users\Lenovo\Desktop\LOTR-Lector-master`

Then: `python main.py`

```
C:\Users\Lenovo>cd ..\..\Users\Lenovo\Desktop\LOTR-Lector-master  
C:\Users\Lenovo\Desktop\LOTR-Lector-master>python main.py
```

It works!

Example of read txt:

```
C:\Users\Lenovo\Desktop\LOTR-Lector-master>python main.py  
This cave wall has several cracks and jutting shelves of rock.  
A faint buzzing sound alerts you to something amiss in this area.  
Hidden here is a chest made of stout wood with iron fastenings, apparently locked tight.
```