## Web Scraper of Trending Repositories on Github

```
import requests
from bs4 import BeautifulSoup
import pandas as pd
import base64
topics_url = 'https://github.com/topics'
response = requests.get(topics url)
content = response.text
content[:1000]
🕁 '\n\n<!DOCTYPE html>\n<html\n lang="en"\n \n data-color-mode="auto" data-light-theme="light" data-dark-theme="dark"\n data-a11y
   -animated-images="system" data-a11y-link-underlines="true"\n \n >\n\n\n <head>\n <meta charset="utf-8">\n link rel="dns-p
   ntent.com/">\n link rel="preconnect" href="https://github.githubassets.com" crossorigin>\n 
with open("webpage.htmp", 'w') as f :
 f.write(content)
doc = BeautifulSoup(content, 'html.parser')
topic_titles = doc.find_all('p', {'class' : 'f3 lh-condensed mb-0 mt-1 Link--primary'})
topic_titles
→ [3D,
    Ajax,
    Algorithm,
    Amp,
    Android,
    Angular,
    Ansible,
    API,
    Arduino,
    ASP.NET,
    Awesome Lists,
    Amazon Web Services,
    Azure,
    Babel,
Bash,
    Bitcoin
    Bootstrap,
    Bot,
    C,
    Chrome,
    Chrome extension,
    Command-line interface,
    cp class="f3 lh-condensed mb-0 mt-1 Link--primary">Clojure,
    Code quality,
    Code review,
Compiler,
    Continuous integration,
    C++,
Cryptocurrency,
    Crystal]
a = topic_titles[0].parent.parent.find_all('a',{'class':'no-underline flex-grow-0'}, href=True)
a[0]['href']
→ '/topics/3d'
topic_titles_ = []
topic urls = []
for tag in topic_titles :
 topic_titles_.append(tag.text)
 topic\_urls.append("$\underline{https://github.com}" + tag.parent.parent.find\_all('a', \{'class':'no-underline flex-grow-0'\}, href=True)[0]['href'])
topic_urls
  ['https://github.com/topics/3d'
    https://github.com/topics/ajax'
    'https://github.com/topics/algorithm',
    'https://github.com/topics/amphp',
```

```
'https://github.com/topics/android',
      'https://github.com/topics/angular',
       'https://github.com/topics/ansible',
      'https://github.com/topics/api',
       'https://github.com/topics/arduino
      'https://github.com/topics/aspnet'
       'https://github.com/topics/awesome',
      'https://github.com/topics/aws',
      'https://github.com/topics/azure'
      'https://github.com/topics/babel
      'https://github.com/topics/bash'
       'https://github.com/topics/bitcoin'
      'https://github.com/topics/bootstrap',
       'https://github.com/topics/bot',
      'https://github.com/topics/c',
       https://github.com/topics/chrome',
      'https://github.com/topics/chrome-extension',
      'https://github.com/topics/cli',
      'https://github.com/topics/clojure'
      'https://github.com/topics/code-quality',
       'https://github.com/topics/code-review'
      'https://github.com/topics/compiler',
       'https://github.com/topics/continuous-integration',
      'https://github.com/topics/cpp',
       https://github.com/topics/cryptocurrency',
      'https://github.com/topics/crystal']
df = pd.DataFrame({'topic_title': topic_titles_, 'topic_url': topic_urls})
df.head()
<del>_</del>
         topic_title
                                          topic_url
                                                       噩
      0
                  3D
                            https://github.com/topics/3d
                 Ajax
                          https://github.com/topics/ajax
      2
            Algorithm https://github.com/topics/algorithm
      3
                        https://github.com/topics/amphp
                Amp
      4
              Android
                        https://aithub.com/topics/android
                                       View recommended plots
 Next steps:
              Generate code with df
                                                                      New interactive sheet
def get_info_from_topic(url) :
  response = requests.get(url).text
  content = BeautifulSoup(response, 'html.parser')
  usernames = []
  repos = []
  repo_urls = []
  repositories = content.find_all('h3',{'class': "f3 color-fg-muted text-normal lh-condensed"})
  stars_raw = content.find_all('span', {'id' : "repo-stars-counter-star"})
  for i in range(len(repositories)) :
    repo = repositories[i]
    usernames.append(repo.find_all('a')[0].text.strip())
    repos.append(repo.find_all('a')[1].text.strip())
    repo urls.append("https://github.com"+repo.find all('a')[1]['href'])
    star = stars_raw[i].text.strip()
    if star[-1]=='k' :
     star = star[:-1]
      star = float(star)
      star = int(star*1000)
    else : star = int(star)
    stars.append(star)
  return {
      "usernames" : usernames,
      "repos" : repos,
      "stars" : stars,
      "repo_urls" : repo_urls,
  }
df = pd.DataFrame(get_info_from_topic("https://github.com/topics/Android"))
df.head()
```



## save the data in to csv

```
for i in range(len(topic_titles_)) :
 df = pd.DataFrame(get_info_from_topic(topic_urls[i]))
 df.to_csv(topic_titles_[i])
scrap the readme file of repo.
import requests
from bs4 import BeautifulSoup
# URL of the README page
url = "https://github.com/bumptech/glide"
# Fetch the README page
response = requests.get(url)
soup = BeautifulSoup(response.text, 'html.parser')
# Extract the title (usually in <h1> or <h2>)
title = soup.find('h1').get_text(strip=True)
# Extract the description (first  after title or within a specific section)
description = soup.find('p').get_text(strip=True)
# Extract all paragraphs (for main content)
content_paragraphs = soup.find_all('p')
content = [para.get_text(strip=True) for para in content_paragraphs]
# Extract links from the content
links = []
for link in soup.find_all('a', href=True):
   links.append((link.get_text(strip=True), link['href']))
# Display the extracted content
print("Title:", title)
\rightarrow Title: Search code, repositories, users, issues, pull requests...
print("Content:", content)
⇒ ty libraries plug in to Google's Volley project or Square's OkHttp library instead.", "Glide's primary focus is on making scrolling
print("Links:", links)
Einks: [('Skip to content', '#start-of-content'), ('', '/'), ('Sign in', '/login?return_to=https%3A%2F%2Fgithub.com%2Fbumptech%2Fgli
```

```
def scrape_readme(url):
   response = requests.get(url)
    # Check if the request was successful
    if response.status code != 200:
       print(f"Failed to fetch {url}: {response.status_code}")
        return None, "No description found", [], []
    soup = BeautifulSoup(response.text, 'html.parser')
    # Extract the title (usually in <h1>)
    title_tag = soup.find('h1')
   title = title_tag.get_text(strip=True) if title_tag else "No title found"
   # Find the first  after the title
   content_paragraphs = soup.find_all('p')
   # Extract the description (first  after title or within a specific section)
   description = soup.find('p').get_text(strip=True)
   # Extract all paragraphs (for main content)
   content = [para.get text(strip=True) for para in content paragraphs]
    # Extract links from the README content
    links = []
    for link in soup.find_all('a', href=True):
       links.append((link.get_text(strip=True), link['href']))
    return title, description, content, links
def scrape_trending_repositories(limit=100): # Set a default limit
    topics_url = 'https://github.com/topics'
    response = requests.get(topics url)
    content = response.text
   doc = BeautifulSoup(content, 'html.parser')
    topic_titles = doc.find_all('p', {'class': 'f3 lh-condensed mb-0 mt-1 Link--primary'})
    topic_titles_ = []
    topic_urls = []
    for tag in topic_titles:
       topic_titles_.append(tag.text)
        topic_urls.append("https://github.com" + tag.parent.parent.find_all('a', {'class': 'no-underline flex-grow-0'}, href=True)[0]['!
    df_topics = pd.DataFrame({'topic_title': topic_titles_, 'topic_url': topic_urls})
    all repo data = []
    # Loop through each topic URL to get repository info
    for topic url in topic urls:
        response = requests.get(topic_url)
        content = BeautifulSoup(response.text, 'html.parser')
        repositories = content.find_all('h3', {'class': "f3 color-fg-muted text-normal lh-condensed"})
        for repo in repositories:
           if len(all_repo_data) >= limit: # Check if the limit is reached
               break
           user = repo.find_all('a')[0].text.strip()
           repo_name = repo.find_all('a')[1].text.strip()
           repo_url = "https://github.com" + repo.find_all('a')[1]['href']
           # Get the stars (if available)
           star_tag = repo.find_next('span', {'id': 'repo-stars-counter-star'})
           if star tag:
               star_text = star_tag.text.strip().replace(',', '')
                if 'k' in star_text:
                   star_text = star_text.replace('k', '') # Remove the 'k'
                   stars = int(float(star_text) * 1000) # Convert to integer after multiplying by 1000
                else:
                   stars = int(float(star_text)) # Convert to integer directly
            else:
                stars = 0
           # Scrape the README content for the repository
```

```
readme_title, readme_description, readme_content, readme_links = scrape_readme(repo_url)

# Collect all data in a dictionary
repo_data = {
          'username': user,
          'repo': repo_name,
          'stars': stars,
          'repo_url': repo_url,
          'readme_content': readme_content,

          'readme_links': readme_links
     }
     all_repo_data.append(repo_data)

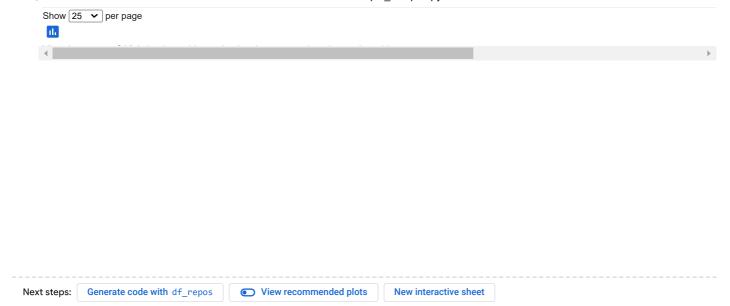
return all_repo_data

df_repos = pd.DataFrame(scrape_trending_repositories())
df_repos.head()
```



1 to 5 of 5 entries Filter index username repo stars repo\_url readme description readme content We read every piece of feedback, and take your input very seriously., To see all available qualifiers, see ourdocumentation.,JavaScript 3D Library.,,The aim of the project is to create an easy-to-use, lightweight, cross browser, general-purpose 3D library. The current builds only include a WebGL renderer but WebGPU (experimental), SVG and CSS3D renderers are also available as addons..Examples—Docs—Manual—Wiki-We read every piece Migrating—Questions—Forum—Discord, This code creates of feedback, and 0 mrdoob three.js 102000 https://github.com/mrdoob/three.js a scene, a camera, and a geometric cube, and it adds the take your input very cube to the scene. It then creates aWebGLrenderer for the seriously. scene and camera, and it adds that viewport to thedocument.bodyelement. Finally, it animates the cube within the scene for the camera...If everything goes well. you should seethis., Cloning the repo with all its history results in a ~2 GB download. If you don't need the whole history you can use thedepthparameter to significantly reduce download size., Releases, JavaScript 3D Library We read every piece of feedback, and take your input very seriously., To see all available qualifiers, see ourdocumentation.,ch A React renderer for Three.js,,,reactthree-fiber is aReact rendererfor threejs., Build your scene declaratively with re-usable, self-contained components that react to state, are readily interactive and can participate in React's ecosystem., None. Everything that works in Threeis will work here without exception..No There is no overhead. Components render outside of React. It outperforms Threeis in scale due to React's scheduling abilities.. Yes. It merely expresses Threeis in JSX,<mesh />dynamically turns intonew THREE.Mesh(). If a new Threejs version adds, removes or changes features, it will be available to you instantly without depending on updates to this library.,Live demo:https://codesandbox.io/s/icv-tree-brnsm? file=/src/App.tsx,This example relies on react 18 and We read every piece usesexpo-cli, but you can create a bare project with their of feedback, and react-threehttps://github.com/pmndrs/react-three-1 pmndrs 27300 template or with thereact-nativeCLI.,Some configuration fiber fiber take your input very may be required to tell the Metro bundler about your assets seriously. if you useuseLoaderor Drei abstractions likeuseGLTFanduseTexture:, Visitdocs.pmnd.rs, You need to be versed in both React and Threejs before rushing into this. If you are unsure about React consult the officialReact docs, especiallythe section about hooks. As for Threejs make sure you at least glance over the following links:,Some helpful material:,,There is a vibrant and extensive eco system around three-fiber, full of libraries, helpers and abstractions., Usage Trend of the @react-three Family, A small selection of companies and projects relying on three-fiber., If you like this project, please consider helping out. All contributions are welcome as well as donations to Opencollective, or in cryptoBTC 36fuguTPxGCNnYZSRdgdh6Ea94brCAjMbH,ETH: 0x6E3f79Ea1d0dcedeb33D3fC6c34d2B1f156F2682.,Thank you to all our backers! 🙏 ,This project exists thanks to all the people who contribute.,ch A React renderer for Three.js We read every piece of feedback, and take your input very seriously.,To see all available qualifiers, see ourdocumentation.,Desktop/Android/HTML5/iOS Java game development framework,,,,,libGDXis a cross-platform Java game development framework based on OpenGL (ES), designed for Windows, Linux, macOS, Android, web browsers, and iOS.It provides a robust and well-established environment for rapid prototyping and iterative development. Unlike other frameworks, libGDX does not impose a specific design or coding style, allowing you the freedom to create games according to your preferences.,libGDX is released under theApache 2.0 License, offering unrestricted usage in both commercial and non-commercial projects. While not mandatory, we appreciate any credit given to libGDX when you release a game or app using it. Check out ourshowcasefor a selection of popular libGDX-powered games. With libGDX, you gain access to a comprehensive set of tools and features to develop multi-platform 2D and 3D games using Java.. Moreover, libGDX boasts a vibrant third-party ecosystem, with numeroustoolsand libraries that streamline development tasks. Explore theawesome-libgdxrepository for a curated list of libGDX-centered libraries, serving as an excellent starting point for newcomers in the libGDX community...Thanks to Gradle, you can easily set up We read every piece libGDX without the need to download the framework itself. of feedback, and 2 libqdx libgdx 23300 https://github.com/libgdx/libgdx Your favorite build tool can handle everything for you. take your input very Additionally, we offer a convenient setup tool that automates seriously project creation and downloads all the necessary components. Check out ourwebsitefor instructions on getting started or refer to our comprehensivewiki., We provide the libGDXjavadocsonline for easy reference. Additionally, the javadocs are bundled with every libGDX distribution, ensuring smooth integration with your preferred IDE., Stay up to date with thelatest libGDX newsby following ourblog. For engaging discussions and support, join our

as babylon.js  Bab			• 	officiallihCDV Discord Llos thelesus Trackerhare an		
seriously. To see all available qualiflors, see oundocumentain. Rallyton, is a powerful, beautiful, simple, and open game and rendering engine packed into a fitterful yeardscript framework. Cetting starter (Phy in all contains as lot of samples of learn how to lise it. Any questions/Frier is our officiation A WRNING: The CDN should not be used in production environments. The purpose of our CDN is to see Ballyton packages to users learning how to use the platform or running small experiments. Once you've built an application and a few first and application and a service of a plant and a few first and a plant and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a plant and a plant and a few first and a plant and a pl				GitHub to report any issues you encounter. Before submitting, please read ourGetting Helpguide, which walks you through the process of reporting an issue effectively, libGDX benefits greatly from contributions made by our dedicated developer community. We appreciate any assistance in making libGDX even better. Check out theCONTRIBUTING.mdfile for details on how to contribute. Note that contributing involves working directly with libGDX's source code, a process that regular users do not typically undertake. Refer to theWorking with the Sourcearticle for guidance., You can also support our infrastructure (build server, web server, test devices) by contributing financially through ourPatreon!, Desktop/Android/HTML5/iOS Java game development framework		
seriously, To see all available qualifiers, see ourdocumentation. A brief computer graphics / rendering course, The rendered image is saved toframebuffer.tga., You can open the project in Gitpod, a free online devenience of the course, The rendered image is saved toframebuffer.tga., You can open the project in Gitpod, a free online devenience of the course, the editor will compile & run the program as well as open the resulting image in the editor's preview laust change the code in the editor and rerun the script (use the terminal's history) to see updated images., My source code is irrelevant. Read the wikl and implement your own renderer. Only when you suffer through all the tiny details you will learn what is going on, Inthis series of articles. I want to show the way OpenGL works by writing its clone (a much simplified one). Surprisingly enough, I often meet people who cannot overcome the initial hurdle of learning OpenGL / DirectV. Thus, I have prepared a short series of lectures, after which my students show quite good renderers. So, the task is formulated as follows: using no third-party libraries (especially graphic ones), get something like this picture., Warning: this is a training material that will loosely repeat the structure of the OpenGL library. It will be a software renderiers. So, the task is formulated as follows: using 90 libraries without understanding this, I will try to make the final code about 500 lines. My store the people of the simplest formate head to 20 programming hours to begin making such renderers. At the input, we get a test file with a polygonal wire + pictures with textures. At the output, we'll get a rendered model. No graphical interface, the program simply generates an image. Since the goal is to minimize external dependencies, I give my students just one class that allows working withToAflies. It's one of the simplest formats so, as a starting point, we'll obtain a simple way to work with pictures. You should note that the only functionally vailable at the very beginning	3	Babylon,js 232	23200 https://github.com/BabylonJS/Babylon.js	seriously.,To see all available qualifiers, see ourdocumentation.,Babylon.js is a powerful, beautiful, simple, and open game and rendering engine packed into a friendly JavaScript framework.,Getting started? Play directly with the Babylon.js API using ourplayground. It also contains a lot of samples to learn how to use it.,,Any questions?Here is our officialforum.,  WARNING: The CDN should not be used in production environments. The purpose of our CDN is to serve Babylon packages to users learning how to use the platform or running small experiments. Once you've built an application and are ready to share it with the world at large, you should serve all packages from your own CDN.,For the preview release, use the following URLs:,A list of additional references can be foundhere.,BabylonJS and its modules are published on npm with full typing support. To install, use:,alternatively, you can now rely on ourES6 packages. Using the ES6 version will allow tree shaking among other bundling benefits.,This will allow you to import BabylonJS entirely using:,or individual classes using:,If using TypeScript, don't forget to add 'babylonjs' to 'types' intsconfig.json:,To add a module, install the respective package. A list of extra packages and their installation instructions can be found on thebabylonjs user on npm.,SeeGetting Started:,If you want to contribute, please read ourcontribution guidelinesfirst.,To get a complete list of supported features, please visit ourwebsite.,Babylon.js is a powerful, beautiful, simple, and open game and rendering engine packed into a friendly	We read every piece of feedback, and take your input very seriously.	: : : : : : : : : : : : : : : : : : : :
to loading and saving images) is the capability to set the color of one pixel.,There are no functions for drawing line segments and triangles. We'll have to do all of this by hand. I provide my source code that I write in parallel with students. But I would not recommend using it, as this doesn't make sense. The entire code is available on github, andhereyou will find the source code I give to my students.,output.tga should look something like this:,,,,,A brief computer graphics / rendering course	4	ssloy tinyrenderer 204	20400 https://github.com/ssloy/tinyrenderer	We read every piece of feedback, and take your input very seriously. To see all available qualifiers, see ourdocumentation. A brief computer graphics / rendering course, The rendered image is saved toframebuffer.tga., You can open the project in Gitpod, a free online dev evironment for GitHub. On open, the editor will compile & run the program as well as open the resulting image in the editor's preview. Just change the code in the editor and rerun the script (use the terminal's history) to see updated images. My source code is irrelevant. Read the wiki and implement your own renderer. Only when you suffer through all the tiny details you will learn what is going on., Inthis series of articles, I want to show the way OpenGL works by writing its clone (a much simplified one). Surprisingly enough, I often meet people who cannot overcome the initial hurdle of learning OpenGL / DirectX. Thus, I have prepared a short series of lectures, after which my students show quite good renderers. So, the task is formulated as follows: using no third-party libraries (especially graphic ones), get something like this picture: Warning: this is a training material that will loosely repeat the structure of the OpenGL library. It will be a software renderer. I do not want to show how to write applications for OpenGL. I want to show how OpenGL works. I am deeply convinced that it is impossible to write efficient applications using 3D libraries without understanding this., I will try to make the final code about 500 lines. My students need 10 to 20 programming hours to begin making such renderers. At the input, we get a test file with a polygonal wire + pictures with textures. At the output, we'll get a rendered model. No graphical interface, the program simply generates an image., Since the goal is to minimize external dependencies, I give my students just one class that allows working withTGAfiles. It's one of the simplest formats that supports images in RGB/RGBA/black and white formats. So, as a starting point, we'll obtain a simpl	We read every piece of feedback, and take your input very seriously.	



## summarization model

```
from transformers import pipeline
# Load the summarization model
summarization_model = pipeline("summarization", model="facebook/bart-large-cnn")
# Sample README content as a single string (you can combine from your list)
readme_content = """We read every piece of feedback, and take your input very seriously.
The aim of the project is to create an easy-to-use, lightweight, cross-browser, general-purpose 3D library.
The current builds only include a WebGL renderer but WebGPU (experimental), SVG, and CSS3D renderers are also available as addons.
This code creates a scene, a camera, and a geometric cube, and it adds the cube to the scene.
It then creates a WebGL renderer for the scene and camera, and it adds that viewport to the document.body element.
Finally, it animates the cube within the scene for the camera.
If everything goes well, you should see this.
Cloning the repo with all its history results in a \sim\!2 GB download.
If you don't need the whole history you can use the depth parameter to significantly reduce download size.
JavaScript 3D Library.""
# Function to summarize the README content
def summarize readme(text):
    # Summarize the text using the summarization model
    summary = summarization_model(text, max_length=300, min_length=30, do_sample=False)
    return summary[0]['summary_text'] # Extract the summary text
# Call the summarization function
summary = summarize_readme(readme_content)
print("Summary:")
print(summary)
/usr/local/lib/python3.10/dist-packages/huggingface_hub/utils/_token.py:89: UserWarning:
     The secret `HF_TOKEN` does not exist in your Colab secrets.
     To authenticate with the Hugging Face Hub, create a token in your settings tab (https://huggingface.co/settings/tokens), set it as:
     You will be able to reuse this secret in all of your notebooks.
     Please note that authentication is recommended but still optional to access public models or datasets.
       warnings.warn(
     /usr/local/lib/python3.10/dist-packages/transformers/tokenization_utils_base.py:1601: FutureWarning: `clean_up_tokenization_spaces`
     Your max_length is set to 300, but your input_length is only 201. Since this is a summarization task, where outputs shorter than the
     The aim of the project is to create an easy-to-use, lightweight, cross-browser, general-purpose 3D library. Current builds only incl
    4
#merge this logic
# Function to summarize the README content
def summarize readme(content):
    if not content:
       return "No content to summarize."
    # Join all paragraphs to form a single string
    full text = " ".join(content)
    # Check if the length of the full text exceeds a reasonable length
    max_length = 1024  # Set a limit for the summarization model
    if len(full_text) > max_length:
       full_text = full_text[:max_length] # Truncate the text
    try:
        \ensuremath{\text{\#}} Summarize the text using the summarization model
        summary = summarization_model(full_text, max_length=130, min_length=30, do_sample=False)
        return summary[0]['summary_text'] # Extract the summary text
    except Exception as e:
       print(f"Error during summarization: {e}")
        return "Error occurred during summarization."
# The rest of your existing code follows here...
def scrape_readme(url):
    response = requests.get(url)
    # Check if the request was successful
    if response.status_code != 200:
        print(f"Failed to fetch {url}: {response.status_code}")
        return None, "No description found", [], []
    soup = BeautifulSoup(response.text, 'html.parser')
```

```
# Extract the title (usually in <h1>)
   title tag = soup.find('h1')
   title = title_tag.get_text(strip=True) if title_tag else "No title found"
   # Find the first  after the title
   content_paragraphs = soup.find_all('p')
   # Extract the description (first  after title)
    description = soup.find('p').get_text(strip=True) if soup.find('p') else "No description found"
    # Extract all paragraphs for main content
    content = [para.get_text(strip=True) for para in content_paragraphs]
    # Extract links from the README content
   links = []
    for link in soup.find_all('a', href=True):
        links.append((link.get_text(strip=True), link['href']))
    return title, description, content, links
# Scrape the trending repositories and extract README summaries
def scrape_trending_repositories(limit=10): # Set a default limit
   topics_url = 'https://github.com/topics'
    response = requests.get(topics_url)
   content = response.text
    doc = BeautifulSoup(content, 'html.parser')
   topic_titles = doc.find_all('p', {'class': 'f3 lh-condensed mb-0 mt-1 Link--primary'})
    topic_titles_ = []
   topic_urls = []
    for tag in topic_titles:
        topic_titles_.append(tag.text)
        topic_urls.append("https://github.com" + tag.parent.parent.find_all('a', {'class': 'no-underline flex-grow-0'}, href=True)[0]['!
    all_repo_data = []
    # Loop through each topic URL to get repository info
    for topic_url in topic_urls:
        response = requests.get(topic_url)
        content = BeautifulSoup(response.text, 'html.parser')
        repositories = content.find_all('h3', {'class': "f3 color-fg-muted text-normal lh-condensed"})
        for repo in repositories:
           if len(all_repo_data) >= limit: # Check if the limit is reached
               break
           user = repo.find_all('a')[0].text.strip()
           repo_name = repo.find_all('a')[1].text.strip()
           repo url = "https://github.com" + repo.find all('a')[1]['href']
           # Get the stars (if available)
           star_tag = repo.find_next('span', {'id': 'repo-stars-counter-star'})
           if star_tag:
               star_text = star_tag.text.strip().replace(',', '')
                if 'k' in star_text:
                    star_text = star_text.replace('k', '') # Remove the 'k'
                   stars = int(float(star_text) * 1000) # Convert to integer after multiplying by 1000
                else:
                   stars = int(float(star_text)) # Convert directly to integer
           else:
                stars = 0
           # Scrape the README content for the repository
           readme_title, readme_description, readme_content, readme_links = scrape_readme(repo_url)
           # Summarize the README content
           readme_summary = summarize_readme(readme_content)
           # Collect all data in a dictionary
           repo data = {
                'username': user,
                'repo': repo_name,
                'stars': stars,
                'repo_url': repo_url,
                'readme content': readme content,
                'readme_summary': readme_summary,
                'readme_links': readme_links
```

all\_repo\_data.append(repo\_data)

return all\_repo\_data

 $\ensuremath{\text{\#}}$  Execute the scraping and save to CSV

repo\_data = scrape\_trending\_repositories()

df\_repos = pd.DataFrame(repo\_data)

df\_repos.to\_csv('trending\_repositories\_with\_readme\_summary.csv', index=False)

🛨 this is a summarization task, where outputs shorter than the input are typically wanted, you might consider decreasing max\_length ma

**←** 

df\_repos.head()



	1 to 5 of 5 entries Filter							
ndex	username	repo	stars	repo_url	readme_content	readme_summary		
0	mrdoob	three.js	102000	https://github.com/mrdoob/three.js	We read every piece of feedback, and take your input very seriously., To see all available qualifiers, see ourdocumentation., JavaScript 3D Library., The aim of the project is to create an easy-to-use, lightweight, crossbrowser, general-purpose 3D library. The current builds only include a WebGL renderer but WebGPU (experimental), SVG and CSS3D renderers are also available as addons., Examples—Docs—Manual—Wiki—Migrating—Questions—Forum—Discord, This code creates a scene, a camera, and a geometric cube, and it adds the cube to the scene. It then creates aWebGLrenderer for the scene and camera, and it adds that viewport to thedocument.bodyelement. Finally, it animates the cube within the scene for the camera., if everything goes well, you should seethis., Cloning the repo with all its history results in a ~2 GB download. If you don't need the whole history you can use thedepthparameter to significantly reduce download size., Releases, JavaScript 3D Library.	The aim of the project is to create an easy-to-use, lightweight, cross-browser, general-purpose 3D library. Current builds only include a WebGL renderer but WebGPU (experimental), SVG and CSS3D renderers are also available as addons.	Skip synta Com libra state	
1	pmndrs	react-three-fiber	27300	https://github.com/pmndrs/react-three-fiber	We read every piece of feedback, and take your input very seriously. To see all available qualifiers, see ourdocumentation., CH A React renderer for Three.js,,, react-three-fiber is aReact rendererfor threejs. Build your scene declaratively with re-usable, self-contained components that react to state, are readily interactive and can participate in React's ecosystem., None. Everything that works in Threejs will work here without exception., No. There is no overhead. Components render outside of React. It outperforms Threejs in scale due to React's scheduling abilities., Yes. It merely expresses Threejs in JSX, <mesh></mesh> dynamically turns intonew THREE.Mesh(). If a new Threejs version adds, removes or changes features, it will be available to you instantly without depending on updates to this library., Live demo:https://codesandbox.io/s/icy-tree-brnsm? file=/src/App.tsx, This example relies on react 18 and usesexpo-cli, but you can create a bare project with their template or with thereact-nativeCLL, some configuration may be required to tell the Metro bundler about your assets if you useuseLoaderor Drei abstractions likeuseGLTFanduseTexture:, Visitdocs.pmnd.rs, You need to be versed in both React and Threejs before rushing into this. If you are unsure about React consult the officialReact docs, especiallythe section about hooks. As for Threejs, make sure you at least glance over the following links:, Some helpful material:,, There is a vibrant and extensive eco system around three-fiber, full of libraries, helpers and abstractions., Usage Trend of the @react-three Family, A small selection of companies and projects relying on three-fiber., If you like this project, please consider helping out. All contributions are welcome as well as donations toOpencollective, or in cryptoBTC: 36fuguTPxGCNnYZSRdgdh6Ea94brCAjMbH,ETH: 0x6E3f79Ea1d0dcedeb33D3fC6c34d2B1f156F2682., Thank you to all our backers! A. This project exists thanks to all the people who contribute., ch A React renderer for Three.js	react-three-fiber is aReact rendererfor threejs. Build your scene declaratively with re-usable, self-contained components that react to state. It outperforms Threejs in scale due to React's scheduling abilities.	Skip synta fiber fiber three prop	