

please write an api to get public repositories of github user, username iamvsz



To create an API that fetches the public repositories of a GitHub user using Python, you can use the `requests` library to interact with the GitHub API. Here's a basic example of how you can implement this:



```
python Copy code

import requests

def get_public_repositories(username):
    # Define the GitHub API endpoint
    api_url = f'https://api.github.com/users/{username}/repos'

    try:
        # Send a GET request to the GitHub API
        response = requests.get(api_url)

        # Check if the request was successful (HTTP status code 200)
        if response.status_code == 200:
            # Parse the JSON response
            repositories = response.json()

            # Extract the repository names
            repository_names = [repo['name'] for repo in repositories]

            return repository_names

        else:
            # If the request was not successful, print an error message
            print(f"Failed to retrieve repositories for {username}. Status code: {response.status_code}")
            return None

    except requests.exceptions.RequestException as e:
        print(f"An error occurred: {e}")
        return None

if __name__ == "__main__":
    username = "iamvsz"
    repositories = get_public_repositories(username)

    if repositories:
        print(f"Public repositories of {username}:")
        for repo in repositories:
            print(repo)
```

Make sure to install the `requests` library if you haven't already. You can install it using `pip`:

```
pip install requests
```

This code defines a function `get_public_repositories` that takes a GitHub username as input, sends a GET request to the GitHub API to retrieve the user's public repositories, and then returns a list of repository names. The main part of the script demonstrates how to use this function.

Please note that you should never share your GitHub personal access token or any sensitive information in your code or make it publicly accessible. If you plan to use this code in a production environment or share it with others, consider using environment variables or a more secure method for storing sensitive information. Additionally, keep in mind the rate limits of the GitHub API and handle pagination if the user has a large number of repositories.