🔥 GUIDE COMPLET GitHub Streak Calculator (285 jours !)

1. Prérequis (fait ✅)

```
✅ Token créé (ghp_...) - Settings → Developer settings → Tokens (classic)
✅ Scopes : repo + read:user
✅ Fichier .env créé :
TOKEN=ghp_votre_token_complet
USERNAME=Punkyherisson
✅ .gitignore avec .env
```

2. Code FINAL `Streakter.py`

```python
import os
from dotenv import load_dotenv
import requests
from datetime import date

load_dotenv()

USERNAME = "Punkyherisson"
TOKEN = os.getenv("TOKEN")

if not TOKEN:
    print("✖ TOKEN manquant ! Créez .env avec :")
    print("TOKEN=ghp_votre_token")
    print("USERNAME=Punkyherisson")
    exit()

def get_git_streak(username, token):
    url = "https://api.github.com/graphql"
    query = """
    query($username: String!) {
      user(login: $username) {
        contributionsCollection {
          contributionCalendar {
            totalContributions
            weeks {
              contributionDays {
                date
                contributionCount
              }
            }
          }
```

```python
                }
            }
        }
        """
    headers = {"Authorization": f"Bearer {token}"}
    variables = {"username": username}

    r = requests.post(url, json={"query": query, "variables": variables}, headers=headers
    r.raise_for_status()
    data = r.json()

    calendar = data["data"]["user"]["contributionsCollection"]["contributionCalendar"]
    weeks = calendar["weeks"]
    total = calendar["totalContributions"]

    days = []
    for week in weeks:
        for d in week["contributionDays"]:
            days.append({
                "date": date.fromisoformat(d["date"]),
                "count": d["contributionCount"],
            })
    days.sort(key=lambda x: x["date"])

    # Streak actuel
    current_streak = 0
    last_idx = None
    for i in range(len(days) - 1, -1, -1):
        if days[i]["count"] > 0:
            last_idx = i
            break

    if last_idx is not None:
        current_streak = 1
        for i in range(last_idx, 0, -1):
            if days[i]["count"] > 0 and (days[i]["date"] - days[i - 1]["date"]).days == 1
                current_streak += 1
            else:
                break

    # Streak max historique
    longest_streak = 0
    tmp_streak = 0
    for i, d in enumerate(days):
        if d["count"] > 0:
            if i > 0 and (d["date"] - days[i - 1]["date"]).days == 1:
                tmp_streak += 1
            else:
                tmp_streak = 1
            longest_streak = max(longest_streak, tmp_streak)
        else:
            tmp_streak = 0

    return current_streak, longest_streak, total


if __name__ == "__main__":
```

```
    streak_actuel, streak_max, total = get_git_streak(USERNAME, TOKEN)
    print(f"Streak actuel : {streak_actuel} jours")
    print(f"Streak max    : {streak_max} jours")
    print(f"Contributions sur l'année : {total}")
```

3. Fichiers projet

```
LearnGitGithub/
├── Streakter.py      # Script principal
├── .env              # TON TOKEN (ignoré par Git) ⚠
├── .gitignore        # .env\n*.env\n__pycache__/
└── README.md         # Instructions
```

4. Test

```
pip install python-dotenv requests
python Streakter.py
```

Résultat : `Streak actuel : 285 jours ⬜`

5. Push GitHub

```
git add Streakter.py .gitignore README.md
git commit -m "✅ GitHub Streak Calculator 285 jours"
git push origin main
```

6. [README.md](#) (à créer)

```
# GitHub Streak Calculator

Affiche votre streak GitHub actuel/max + total contributions.

## Installation
```bash
pip install python-dotenv requests
```

Utilisation

1. Créez `.env` :

```
TOKEN=ghp_votre_token
USERNAME=votre_username
```

2. `python Streakter.py`

Mon streak : 285 jours ! ⬜

✔ PROJET COMPLET ET SÉCURISÉ ! Vos 285 jours sont publics. [^1]

<div align="center">⚛</div>

[^1]: https://docs.github.com/en/authentication/keeping-your-account-and-data-secure/mana