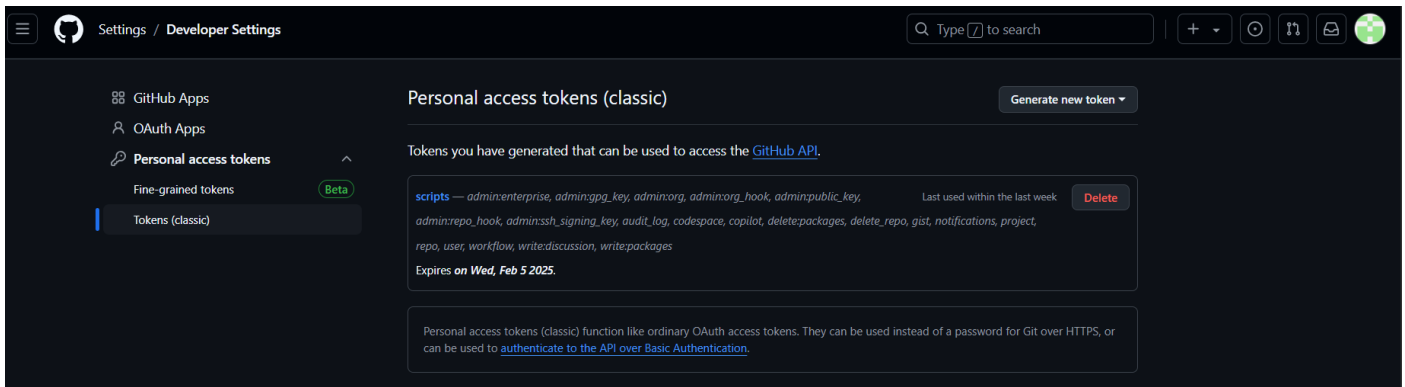


# CHALLENGE 03

## >>BASH Script to create repo in github

*\*create API token on Github.*

*Github\_account > settings > Developer\_settings > Personal\_access\_tokens > Tokens\_classic*



*\*Creating a file and adding script in it.*

```
#!/bin/bash

# Check if the required arguments are provided
if [ -z "$1" ]; then
    echo "Usage: $0 <repo-name> [description] [public|private]"
    exit 1
fi

# Variables
GITHUB_USER="f-sid"
GITHUB_TOKEN="ghp_Ho0UjZzIHVTs6QNH2KLgdWZexyFo01tAP3n"
REPO_NAME="$1"
DESCRIPTION="$2"
VISIBILITY="$3"

# GitHub username
# Your GitHub Personal Access Token
# Repository name (first argument)
# Description (optional, second argument)
# Visibility (optional, third argument)

# Default to "public" if visibility is not specified
if [ -z "$VISIBILITY" ]; then
    VISIBILITY="public"
fi

# Determine visibility (boolean) for JSON
if [ "$VISIBILITY" = "private" ]; then
    PRIVATE=true
else
    PRIVATE=false
fi

# Prepare the JSON payload with properly quoted strings
JSON_PAYLOAD=$(cat <<EOF
{
  "name": "$REPO_NAME",
  "description": "$DESCRIPTION",
  "private": $PRIVATE
}
EOF
)

# GitHub API endpoint for creating a new repository
API_URL="https://api.github.com/user/repos"

# Make the API call to create the repository
response=$(curl -s -w "%{http_code}" -o response.json -X POST \
-H "Authorization: token $GITHUB_TOKEN" \
-H "Content-Type: application/json" \
-d "$JSON_PAYLOAD" \
"$API_URL")

# Check if the response is 201 (created)
if [ "$response" -eq 201 ]; then
    echo "Repository '$REPO_NAME' created successfully!"
else
    echo "Failed to create repository. Response:"
    cat response.json
    exit 1
fi
```

## *\*Adding permissions and executing scripts*

`$chmod a+x filename`

`$/filename <repository_name> "description" <public/private>`

```
[batman@ip-172-31-2-182 ~]$ chmod a+x gitrepo.sh
[batman@ip-172-31-2-182 ~]$ ./gitrepo.sh repobyscript_bash "this repo is created through cli bash script" public
Repository 'repobyscript_bash' created successfully!
```

## *\*Checking the github*

The screenshot shows the GitHub interface for a repository named 'repobyscript\_bash' by user 'f-sid'. The repository is public and has 1 branch (main) and 1 commit. The README file is visible, containing the text 'repobyscript\_bash'. The right sidebar shows the repository's statistics: 0 stars, 1 watching, and 0 forks. The 'About' section states 'this repo is created through cli bash script'. The 'Releases' and 'Packages' sections indicate no releases or packages have been published yet.

GitHub repository page for **repobyscript\_bash** (Public).

Navigation: Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings.

Repository details: **repobyscript\_bash** (Public) | Pin | Unwatch (1) | Fork (0) | Star (0).

Branches: main (1 Branch) | Tags | Go to file | Code.

Commit history: syedf first commit (35ad8f0 · 2 minutes ago) | 1 Commit.

Files: README.md (first commit, 2 minutes ago).

README content: **repobyscript\_bash**

About: this repo is created through cli bash script

Activity: 0 stars, 1 watching, 0 forks.

Releases: No releases published. [Create a new release](#).

Packages: No packages published. [Publish your first package](#).