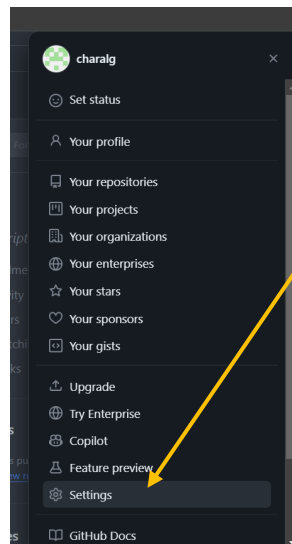


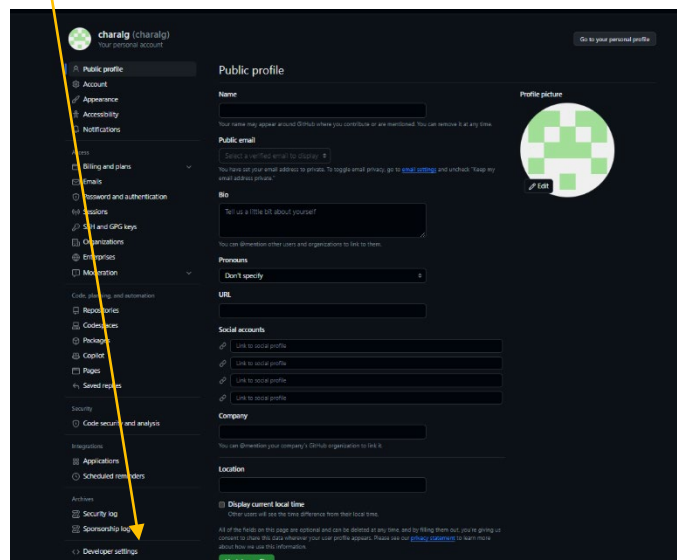
# Creating a personal access token

## Creating a token

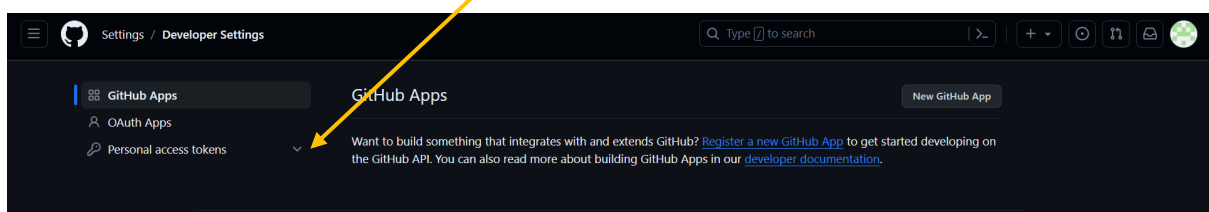
1. verify your e-mail address
2. In the upper-right corner of any page, click your profile photo, then click Settings.



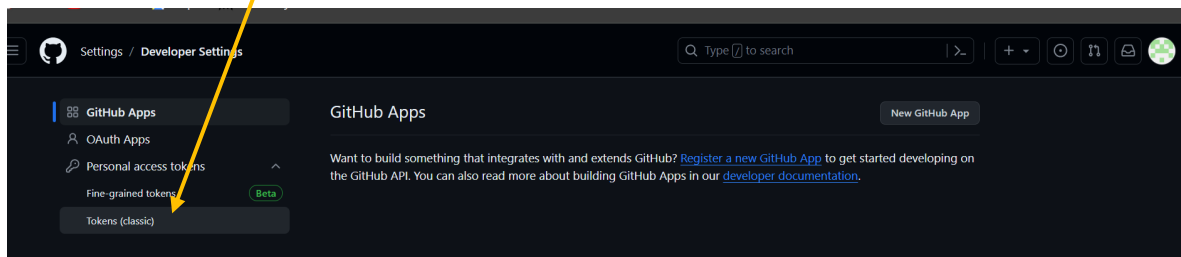
3. On the left sidebar (bottom), click Developer settings.



4. in the left sidebar, click Personal access tokens.

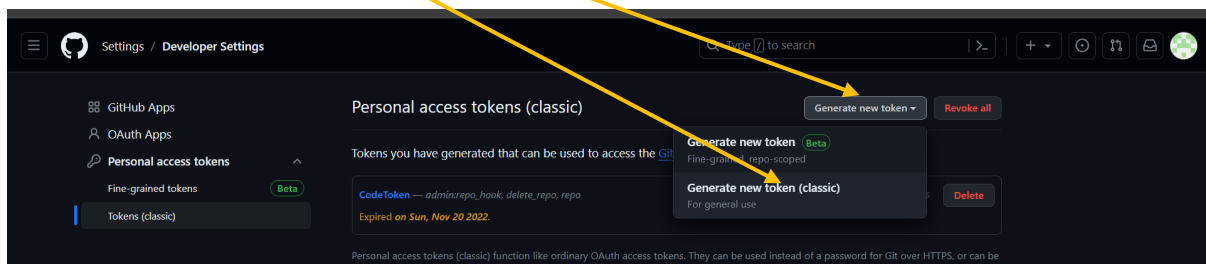


5. Click on Tokens (classic)



5. Click Generate new token.

Click on Generate new token(classic)



6. Give the token a Note; set expiration; to access repositories from command line click repo tag

The screenshot shows the GitHub interface for creating a new personal access token. The left sidebar contains navigation links: GitHub Apps, OAuth Apps, Personal access tokens (selected), Fine-grained tokens (Beta), and Tokens (classic). The main content area is titled 'New personal access token (classic)'. It includes a text box for a 'Note' with the value 'CodeToken1', an 'Expiration' dropdown set to '7 days' (with a tooltip indicating expiration on Thu, Nov 9, 2023), and a 'Select scopes' section. The 'Select scopes' section contains a list of scopes with checkboxes. The 'repo' scope is checked, and its sub-scopes are also checked. The 'admin:repo\_hook' scope is checked, and its sub-scopes are also checked. The 'delete\_repo' scope is checked. Other scopes like 'workflow', 'write:packages', 'delete:packages', 'admin:org', 'admin:public\_key', 'admin:org\_hook', 'gist', 'notifications', 'user', and 'delete\_repo' are also listed but not checked. Yellow arrows point from the text above to the 'Note' field, the 'Expiration' dropdown, and the 'repo' scope checkbox. Another yellow arrow points from the text below to the 'admin:repo\_hook' scope checkbox, and a final yellow arrow points from the text below to the 'delete\_repo' scope checkbox.

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

**Note**  
CodeToken1

What's this token for?

**Expiration**  
7 days The token will expire on Thu, Nov 9, 2023

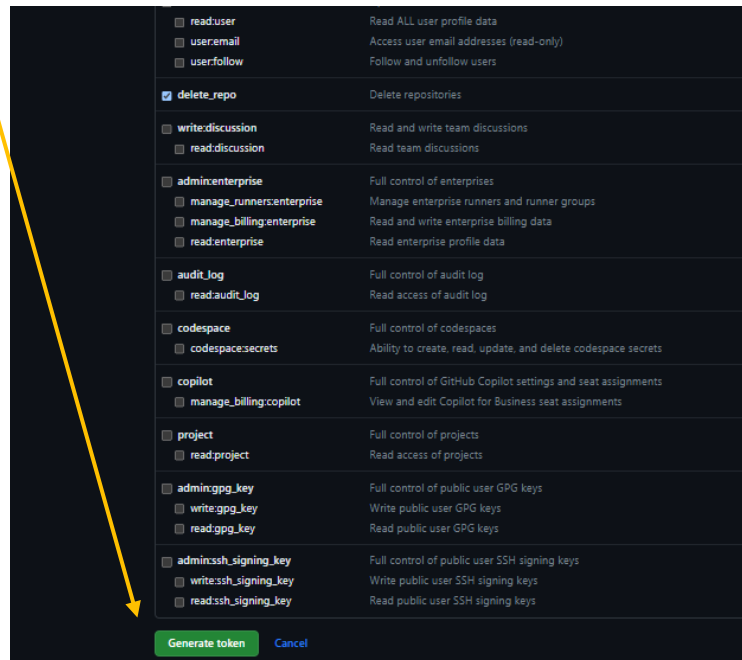
**Select scopes**  
Scopes define the access for personal tokens. [Read more about OAuth scopes](#).

<input checked="" type="checkbox"/> repo	Full control of private repositories
<input checked="" type="checkbox"/> repo:status	Access commit status
<input checked="" type="checkbox"/> repo:deployment	Access deployment status
<input checked="" type="checkbox"/> public_repo	Access public repositories
<input checked="" type="checkbox"/> repo:invite	Access repository invitations
<input checked="" type="checkbox"/> security_events	Read and write security events
<input type="checkbox"/> workflow	Update GitHub Action workflows
<input type="checkbox"/> write:packages	Upload packages to GitHub Package Registry
<input type="checkbox"/> read:packages	Download packages from GitHub Package Registry
<input type="checkbox"/> delete:packages	Delete packages from GitHub Package Registry
<input type="checkbox"/> admin:org	Full control of orgs and teams, read and write org projects
<input type="checkbox"/> write:org	Read and write org and team membership, read and write org projects
<input type="checkbox"/> read:org	Read org and team membership, read org projects
<input type="checkbox"/> manage_runners:org	Manage org runners and runner groups
<input type="checkbox"/> admin:public_key	Full control of user public keys
<input type="checkbox"/> write:public_key	Write user public keys
<input type="checkbox"/> read:public_key	Read user public keys
<input checked="" type="checkbox"/> admin:repo_hook	Full control of repository hooks
<input checked="" type="checkbox"/> write:repo_hook	Write repository hooks
<input checked="" type="checkbox"/> read:repo_hook	Read repository hooks
<input type="checkbox"/> admin:org_hook	Full control of organization hooks
<input type="checkbox"/> gist	Create gists
<input type="checkbox"/> notifications	Access notifications
<input type="checkbox"/> user	Update ALL user data
<input type="checkbox"/> read:user	Read ALL user profile data
<input type="checkbox"/> user:email	Access user email addresses (read-only)
<input type="checkbox"/> user:follow	Follow and unfollow users
<input checked="" type="checkbox"/> delete_repo	Delete repositories

Select admin:repo\_hook to give full read and write permission to user being invited

Select delete\_repo if you wish to give permission to delete the repository

7. click generate token – button at the bottom



The screenshot shows the GitHub 'Generate new token' interface. A yellow arrow points from the top left towards the 'Generate token' button at the bottom. The interface displays a list of permissions that can be selected for the new token.

<input type="checkbox"/> read:user	Read ALL user profile data
<input type="checkbox"/> user:email	Access user email addresses (read-only)
<input type="checkbox"/> user:follow	Follow and unfollow users
<input checked="" type="checkbox"/> delete:repo	Delete repositories
<input type="checkbox"/> write:discussion	Read and write team discussions
<input type="checkbox"/> read:discussion	Read team discussions
<input type="checkbox"/> admin:enterprise	Full control of enterprises
<input type="checkbox"/> manage_runners:enterprise	Manage enterprise runners and runner groups
<input type="checkbox"/> manage_billing:enterprise	Read and write enterprise billing data
<input type="checkbox"/> read:enterprise	Read enterprise profile data
<input type="checkbox"/> audit_log	Full control of audit log
<input type="checkbox"/> read:audit_log	Read access of audit log
<input type="checkbox"/> codespace	Full control of codespaces
<input type="checkbox"/> codespace:secrets	Ability to create, read, update, and delete codespace secrets
<input type="checkbox"/> copilot	Full control of GitHub Copilot settings and seat assignments
<input type="checkbox"/> manage_billing:copilot	View and edit Copilot for Business seat assignments
<input type="checkbox"/> project	Full control of projects
<input type="checkbox"/> read:project	Read access of projects
<input type="checkbox"/> admin:pgp_key	Full control of public user GPG keys
<input type="checkbox"/> write:pgp_key	Write public user GPG keys
<input type="checkbox"/> read:pgp_key	Read public user GPG keys
<input type="checkbox"/> admin:ssh_signing_key	Full control of public user SSH signing keys
<input type="checkbox"/> write:ssh_signing_key	Write public user SSH signing keys
<input type="checkbox"/> read:ssh_signing_key	Read public user SSH signing keys

Generate token Cancel

8. copy the token and store it safe and use it as password