

# GitHub Personal Access Token Creation

## GitHub Authentication from the Terminal

GitHub has increased their security and in order to clone repositories using the HTTPS clone option from the terminal a Personal Access Token on GitHub is necessary. Below are the steps to create a Personal Access Token on GitHub via the GitHub User Interface

## Create a Personal Access Token on GitHub

1. Verify your email address
2. Click on your Profile Icon in the upper right corner
3. Click **Settings**
4. In the left side-bar click **Developer settings**
5. In the left side-bar click **Personal access tokens**
6. Click the **Generate Token button**
7. Select an expiration date in the future
  - a. In the **Expiration drop-down** select **Custom**
  - b. **Set the date to a date after this course ends**
8. Give your token a name - **MyGitPersonalToken-6-1-22**
9. Select the **Scopes/Permissions** you'd like to grant this token.
  - a. To use your token to access repositories from the terminal select **repo**.
10. Click the **Generate token button**
11. **Important:** After you generate your token be sure to copy it right away and store it in a safe place. You will not have access to this token number again.
12. After manually entering your Personal Access Token when requested in the terminal, it is likely that your Personal Access Token will be cached and you may not be asked to enter your token in the password again.
  - a. **Otherwise you should have your Personal Access Token saved in a safe place so you can manually enter it if necessary**