Lesson 01 Demo 01

Configure Git with GitHub

Objective: To configure Git with the GitHub account

Tools required: Terminal, Chrome Browser

Prerequisites: Git, GitHub account

Steps to be followed:
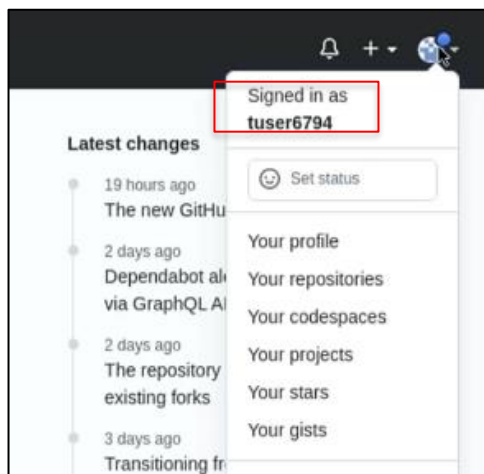
1. Configure user credentials on Git
2. Install GitHub CLI

Step 1: Configure user credentials on Git

1.1 Navigate to the terminal and enter the command, as shown:

git --version

1.2 Go to the GitHub account from the browser and copy the username

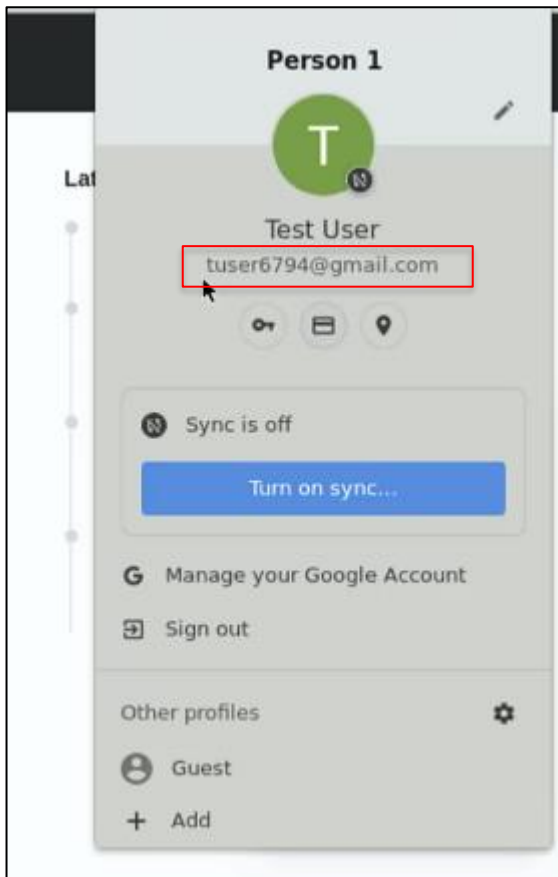1.3 Now, return to the terminal and paste the given command:

git config --global user.name "user_name"

```
srijanighataksi@ip-172-31-27-104:~$ git config --global user.name "tuser6794"
srijanighataksi@ip-172-31-27-104:~$
```

Note: Replace the *user_name* variable with the user name from the GitHub account

1.4 Go to GitHub, copy the email ID, and add it in the command given:

git config --global user.email "user_email_id"


```
srijanighataksi@ip-172-31-27-104:~$ git config --global user.email "tuser6794@gm
ail.com"
srijanighataksi@ip-172-31-27-104:~$
```

Step 2: Install GitHub CLI

2.1   Run the command given to install GitHub CLI:

```
type -p curl >/dev/null || (sudo apt update && sudo apt install curl -y)
curl -fsSL https://cli.github.com/packages/githubcli-archive-keyring.gpg | sudo dd
of=/usr/share/keyrings/githubcli-archive-keyring.gpg \
&& sudo chmod go+r /usr/share/keyrings/githubcli-archive-keyring.gpg \
&& echo "deb [arch=$(dpkg --print-architecture) signed-
by=/usr/share/keyrings/githubcli-archive-keyring.gpg]
https://cli.github.com/packages stable main" | sudo tee
/etc/apt/sources.list.d/github-cli.list > /dev/null \
&& sudo apt update \
&& sudo apt install gh -y
```

2.2   Enter the given command to authenticate with the GitHub host:

gh auth login

```
srijanighataksi@ip-172-31-27-104:~$ gh auth login
? What account do you want to log into?  [Use arrows to move, type to filter]
> GitHub.com
  GitHub Enterprise Server
```

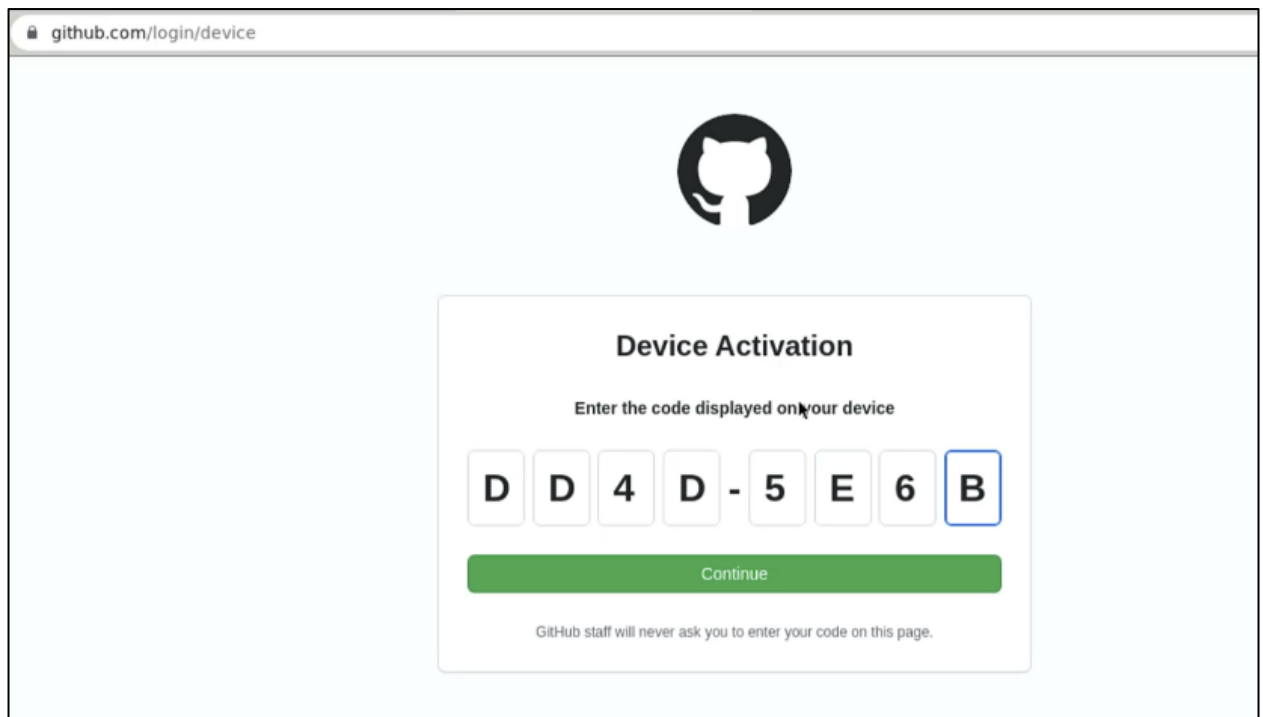2.3   For the given queries, click on the **enter** button to select yes

```
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? HTTPS
? Authenticate Git with your GitHub credentials? Yes
? How would you like to authenticate GitHub CLI? Login with a web browser

! First copy your one-time code: DD4D-5E6B
Press Enter to open github.com in your browser...
```
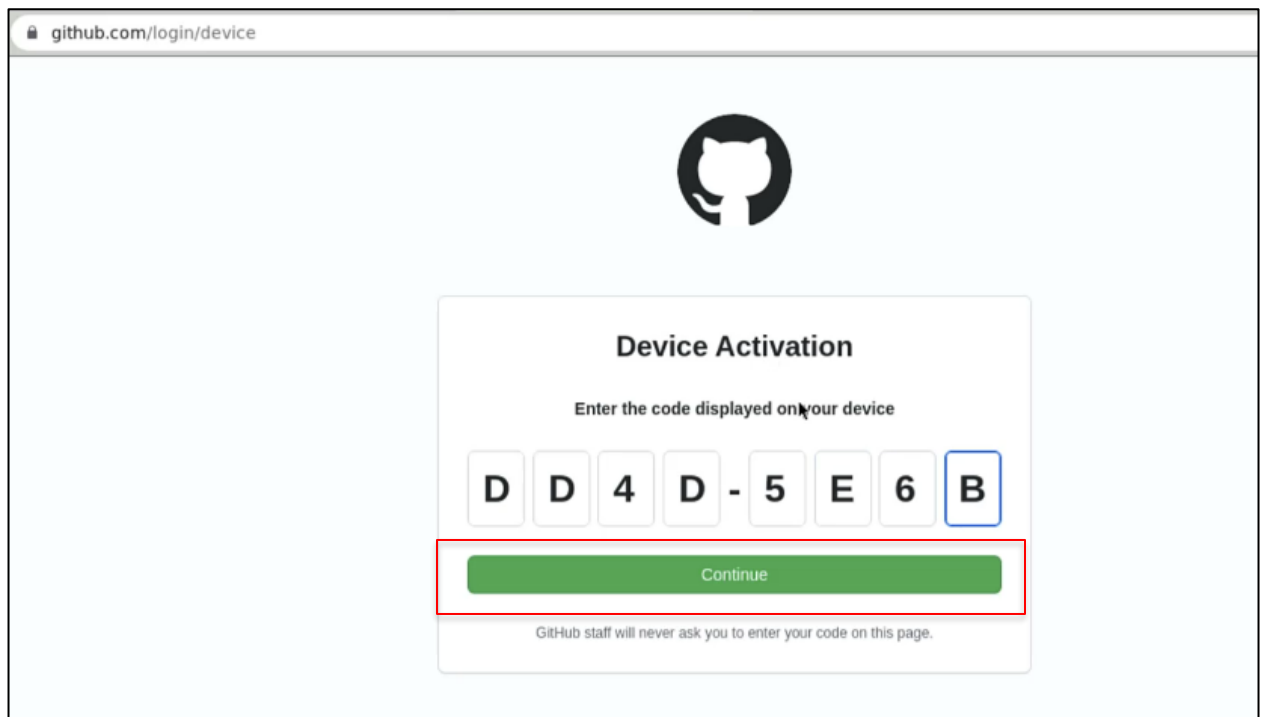
2.4   Copy the generated code, go to the GitHub page, and paste it in the code field to
complete the authentication process

```
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? HTTPS
? Authenticate Git with your GitHub credentials? Yes
? How would you like to authenticate GitHub CLI? Login with a web browser

! First copy your one-time code: DD4D-5E6B
Press Enter to open github.com in your browser...
```
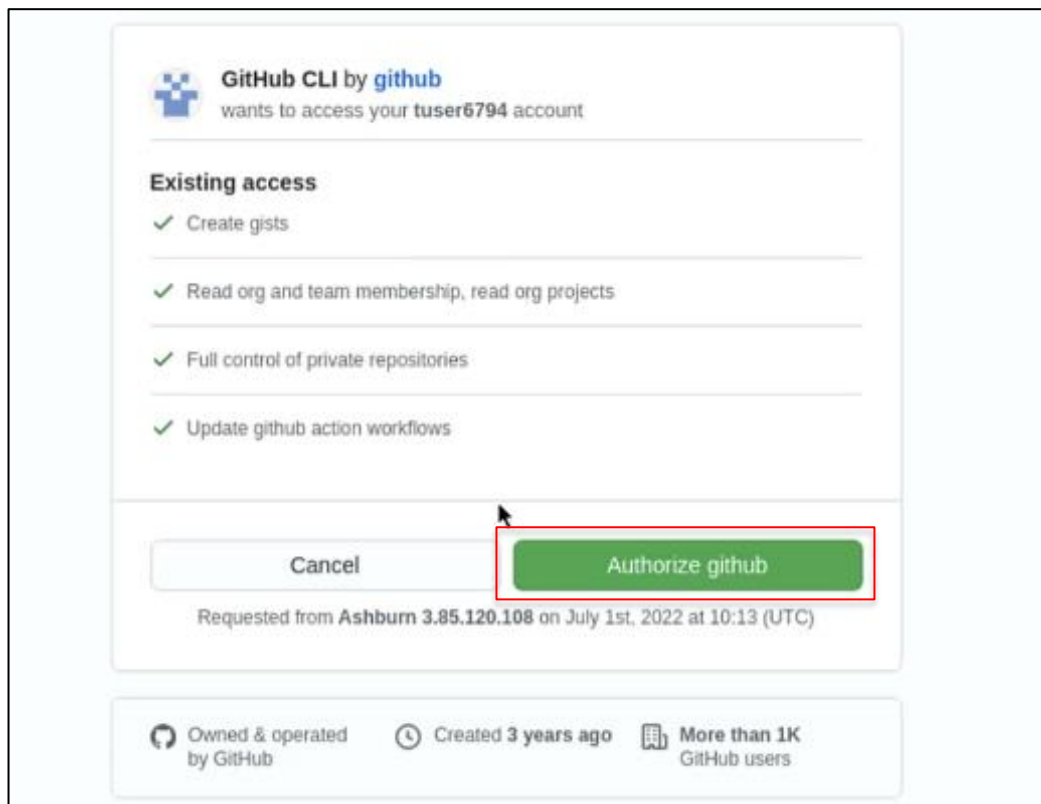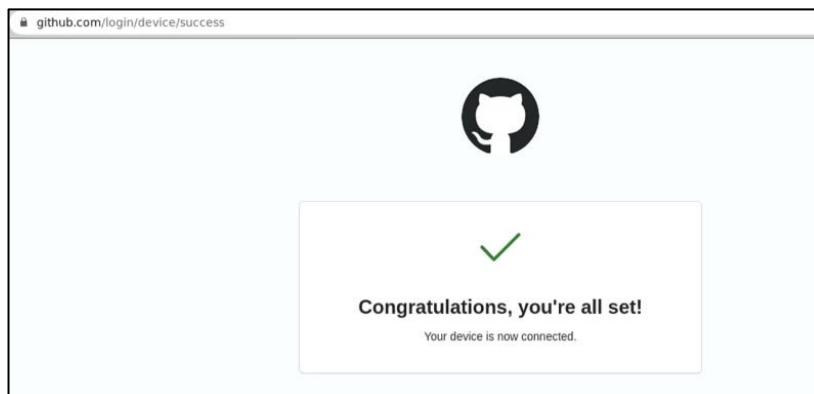
2.5 Now, click on the **Continue** button

2.6 Click on the **Authorize GitHub** button

2.7 The final output in the GitHub account and in the terminal will be as shown: