

ELE101-2

git-GitHub-Linux

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Outline

- Quick review of last week
- Survey Results
- Sustainable Development Goals
- git
- git install
- Repo download/clone
- Linux commands



Getting Started Survey

- No personal information is collected
- Think before answering
- Help us prepare better course content





Key Points to Remember

Some important points about the course

- Always bring your laptop to class
- Every user must have an account on [GitHub](#)
- Make installments required for the course into your laptop ASAP
- Check your TOBB ETU e-mail for any updates!
- Do not forget to sign in the attendance list!
- Common time for compensation?

Sustainable Development

- <https://sdgs.un.org/goals>

The screenshot shows the official United Nations website for Sustainable Development Goals. At the top, the United Nations logo and name are on the left, and the Department of Economic and Social Affairs Sustainable Development is on the right. A navigation bar below contains links: Home, SDG Knowledge, Intergovernmental Processes, HLPF, SIDS, SDG Actions, Engage, News, and About. The main content area features a header for 'THE 17 GOALS' followed by four statistics: 169 Targets, 4023 Events, 1354 Publications, and 7925 Actions. Below this is a row of six goal cards, each with a number, title, icon, and a background image. The goals shown are: 1. NO POVERTY (red card, icon of people), 2. ZERO HUNGER (orange card, icon of a bowl), 3. GOOD HEALTH AND WELL-BEING (green card, icon of a heart and pulse line), 4. QUALITY EDUCATION (red card, icon of an open book), 5. GENDER EQUALITY (red card, icon of a female symbol with an equals sign), and 6. CLEAN WATER AND SANITATION (blue card, icon of a water drop). The bottom of the page shows a partial view of the remaining 11 goal cards.

United Nations
Department of Economic and Social Affairs
Sustainable Development

Home SDG Knowledge Intergovernmental Processes HLPF SIDS SDG Actions Engage News About

THE 17 GOALS

169
Targets

4023
Events

1354
Publications

7925
Actions

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION



Last Week's Slides

<https://github.com/ELE101-2425Summer/Course>

Install git – Windows

- go to git-scm.com
- Run the installer to install git into your PC
- You can choose defaults





Install git – Linux

```
$ sudo apt-get install git
```

You can open a terminal to use git commands



Install git – Mac

- Install homebrew first
 - `/bin/bash -c "$(curl -fsSLhttps://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"`
- `brew install git`

You can open a terminal to use git commands



Intro to Linux

- Follow pdf file on the following repository

<https://github.com/ELE101-2425Summer/Course>



Linux Commands

- ls
- pwd
- home folder
- cd
- mkdir
- cat
- mv
- rm

Download/Clone Repository

- <https://github.com/ELE101-2425Summer/Course>

The screenshot shows the GitHub interface for the repository 'Course' by user 'murat-sever'. The repository is public and has 1 branch and 0 tags. The 'Code' button is open, showing options to clone the repository via Local, Codespaces, or Copilot. The SSH option is selected, displaying the URL 'git@github.com:ELE101-2425Summer/Course.git'. The repository has 1 branch and 0 tags. The README file is visible, titled 'Course'.



Clone Command

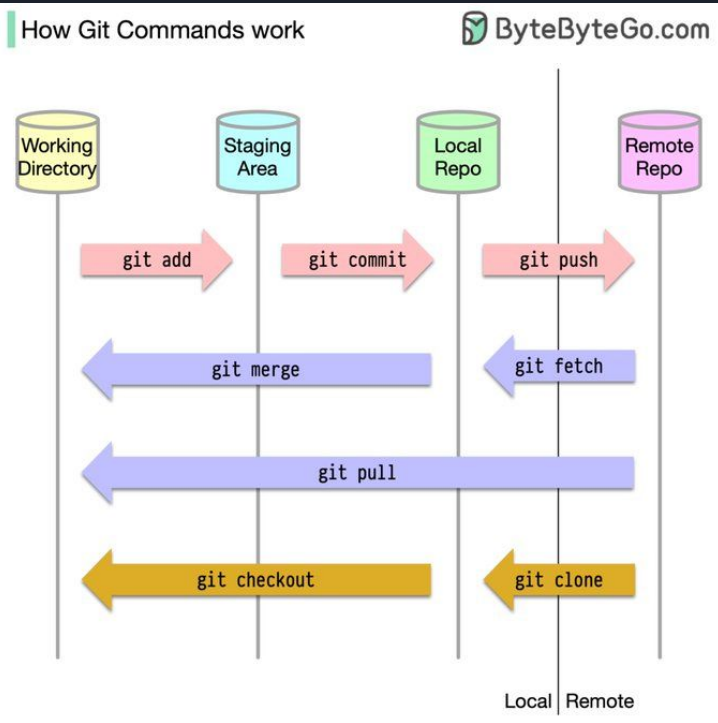
- Create ELE101 folder under your home folder
- Change to ELE101 folder
- Use git clone command below to create a local copy on your PC
- `git clone <Repo_Address>`
 - Replace <Repo_Address> with original repo address you have just copied
 - `git clone https://github.com/ELE101-2425Summer/Course`



Git

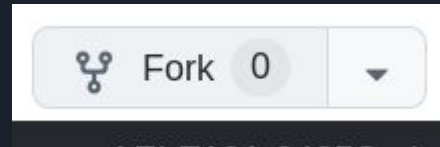
- Git CMD or Git BASH
- git config needs to be done only once
- Always check with git status first!
- 3-stages
 1. Working directory
 - `git clone your_repo_name`
 2. Staging Area
 - `git add .`
 3. Repository
 - `git commit -m "your message"`
- Remote (server) update
 - `git push`

Git



Forking the Repository

- Use Fork button on the upper right to fork the repo
- This creates a copy in your personal account





Contributing

- Go to your forked repo on GitHub
- Edit Questions.txt file by clicking on the Pencil button
- Answer the questions on the Questions.txt
- Commit changes
- Click on Contribute
- Open a pull request
- Create a pull request



Thanks!

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