ELE101-2 git-GitHub-Linux

Murat Sever
ytregitim@gmail.com

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

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

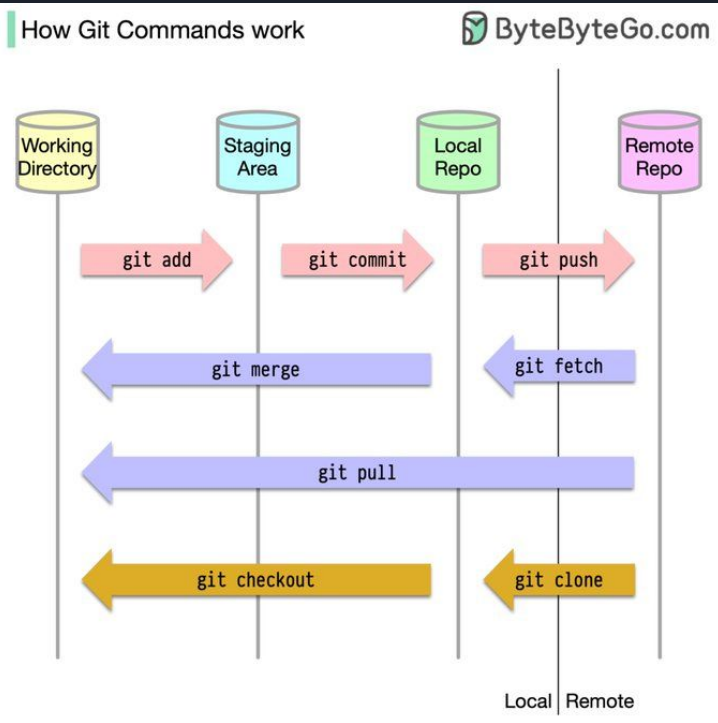- https://github.com/ELE101-2425Summer/Course

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
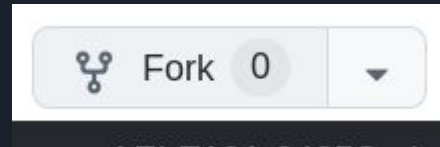 - git clone https://github.com/ELE101-2425Summer/Course

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

How Git Commands work — ByteByteGo.com

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!
ytregitim@gmail.com
LinkedIn: murat-sever