#01

Step 01: Software install-
Website: https://git-scm.com/downloads
Gut bash terminal Check : git --version

Step 2: How to Setup “GitHub" -
Github account singup:

#02

Step 01: Configuration -
Terminal clear: **Ctrl+L**

git config --global user.name “ShahriarTBC” (Enter)
git config --global user.email "abc@gmail.com" (Enter)
git config --global user.name (show only user name)
git config --list (all configuration check)

Step 02: Create Git Folder & Add Files -

Working Directory → Staging Area → Local Repository → Remote/Github
Working Directory → 1st Stage (Untracked Stage)
Staging Area → 2nd Stage (No commits yet)
Local Repository → 3rd Stage
Remote/Github → 4th Stage

#03

Make Working Directory(Create Folder) -

mkdir first-repo	Create Folder : first-repo
cd first-repo	Go next folder
git init	Active repo (initialization repository)
ls -a	Hidden folder (.git) view
ls	All file /folder view
touch one.html	Create File : one.html
git status	Check project level status

D: | Go fixed D drive (TAB key suggest) |
cd ../ | Go back previous folder |
pwd | Present directory show (/c/User/Shahriar) |
rm -rf folder_name | Deleted any folder |

#05

Working Directory → Staging area : Go 2nd Stage

git add File_Name | Specific one file go Staging Area |
git add . | All file Working D..→ Staging Area |
git diff | File contains change/update view |
git restore File_Name | File contain previous condition |
git rm –cached | Staging Area → Working Directory |

#06

Staging Area → Local Repository : Go 3rd Stage

git commit -m“message" | Staging A.. → Local Repo.. |
git log | Commit full history show |
git add . && git commit -m“message” |Working → Local |

Last update HEAD file possible:
git reset --soft HEAD^ | Local Repository→ Staging Area |
git reset HEAD^ | Local Repository→ Working Directory |
git reset --hard HEAD^ | File Delete |

#07

<----- All Revision ------>

#08

Commit & HEAD & Undo

git log | Commit full history show |

git log --oneline | Key ID + Commit message |
git show | A to Z full history (Only Head) |
git show commit_id/git show | Specific commit history |
git show HEAD~number | Single commit history |

Undo commit
git checkout one.txt
| New content text remove |

git checkout previous_file_ID (git log --oneline)
|3rd commit →1st commit|
| File gulake ager obosthay niye jabe |

git checkout master
|1st commit → 3rd commit (HEAD) |
| File ke ager obostha theke porer obosthay niye jabe |

#09

<----- Commit Revision ----->

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GitHub Profile & Readme

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GitHub Profile design: Website Link

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GitHub Profile design: Website Link

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Repository or commit-git & github

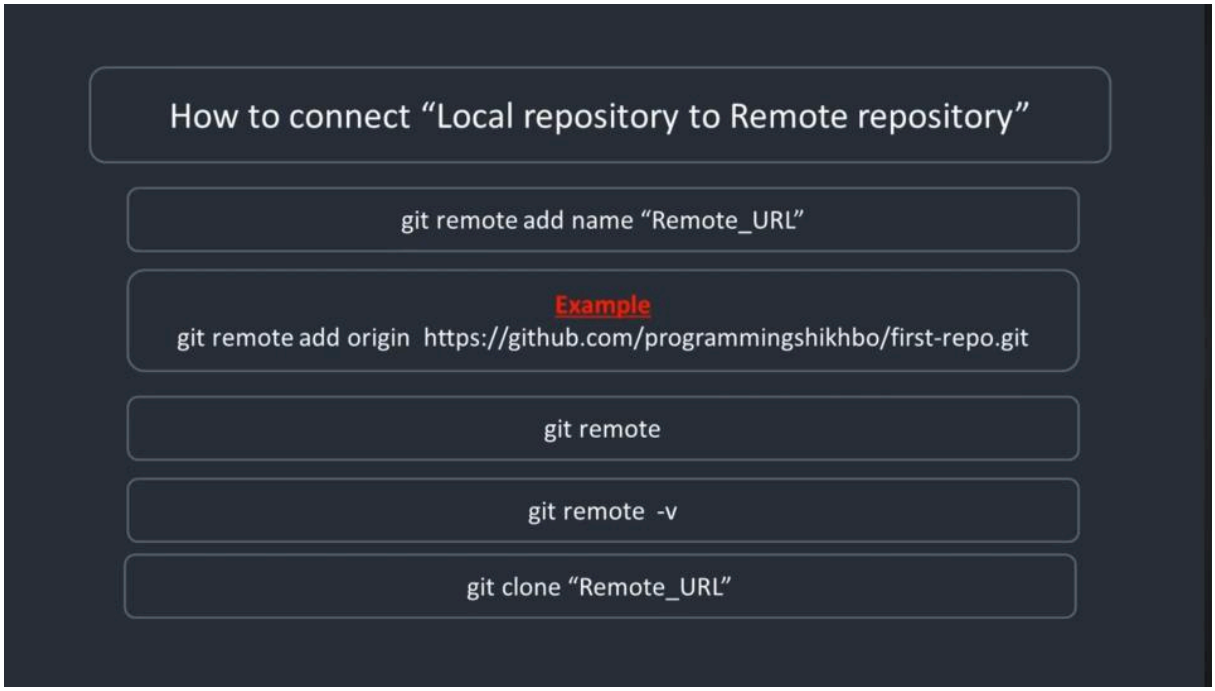
Create a repository and upload any file.

#14

How to connect “Local repository to Remote repository”

Local repository: offline store (Example: Local Computer)
Remote repository: Online store (Example: GitHub)

git remote | Check Connection (“Name”) |
git remote add origin repo_url | Go repo → Code → https://.. |
git remote -v | URL connection check |
git clone repo_url | GitHub to Desktop copy |
rm -rf folder_name | Deleted any folder |



#15

Clone GitHub any project

git clone repo_url | GitHub to Desktop copy |

#16

Push the project to GitHub with VS Code

GitHub Token : Setting--> <>Developer settings--> Personal access tokens--> Tokens (classic)--> Generate new token (classic)
For general use--> (Note, repo, admin:org, admin:public_key)

Token: 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

1. git remote add origin https://github.com/ShahriarTbc/First_Tailwind_Project.git
2. git remote set-url origin https://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@github.com/ShahriarTbc/First_Tailwind_Project.git

1. git init
2. git status
3. git add .
4. git commit -m "first commit"
5. git branch -M main
6. git push -u origin main

5.1. git remote add origin https://github.com/ShahriarTbc/<--*your site-link*-->
5.2. git remote set-url origin https://<--*your token--*>@github.com/ShahriarTbc/<--*your site-link*-->

README.md File add:
git pull origin main --rebase
git push origin main

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Push the project to GitHub with Git bash Terminal

#18

Git Pull (Online update to Offline update)

git pull | Github text content update to Offline update |

#19

Branching (Main/Master) and Merging

GitHub create branch

#20

Branching (Main/Master) and Merging

Git bash create branch

git branch
| Check branch | (*main → active branch)

git branch feature-1
| Create feature-1 branch |

git checkout feature-1
| Move feature-1 branch| (*feature-1 → active branch)

git branch -d feature-1
| Deleted feature-1 branch | (Before go Main it's work)

git push -u origin feature-2
| Push feature-2 branch |

#21

Merge Project

git checkout -b “feature-10"
| Create and Move branch |

Do Merge
Go main branch
git merge feature-10 | feature-10 → Main branch |

#22

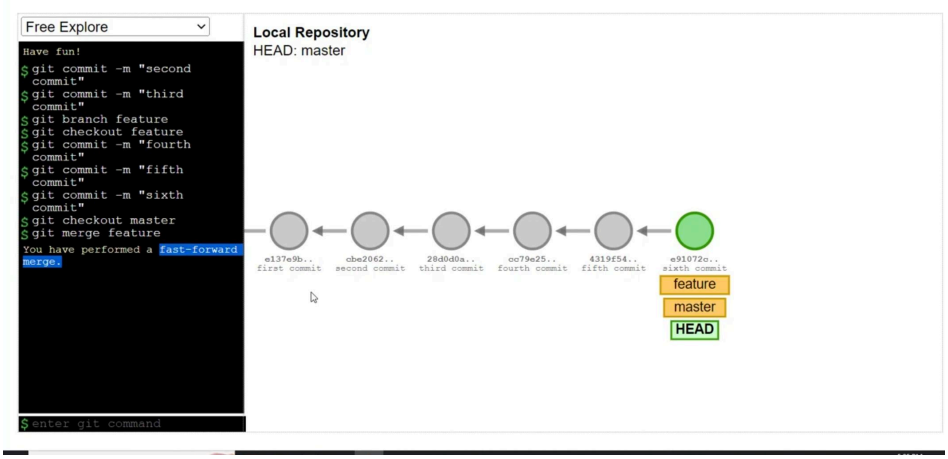
Issues

GitHub issues project

#23

Fast forward Merge (2-way)

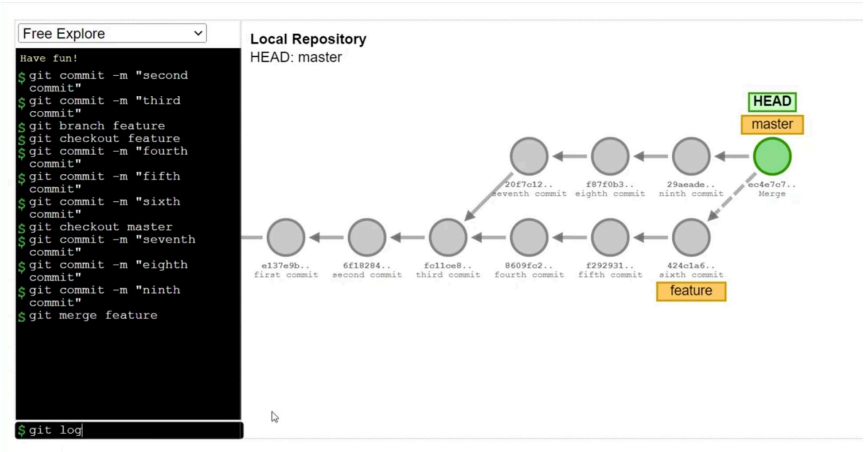
Git school: Website Link



#24

Fast forward Merge (3-way)

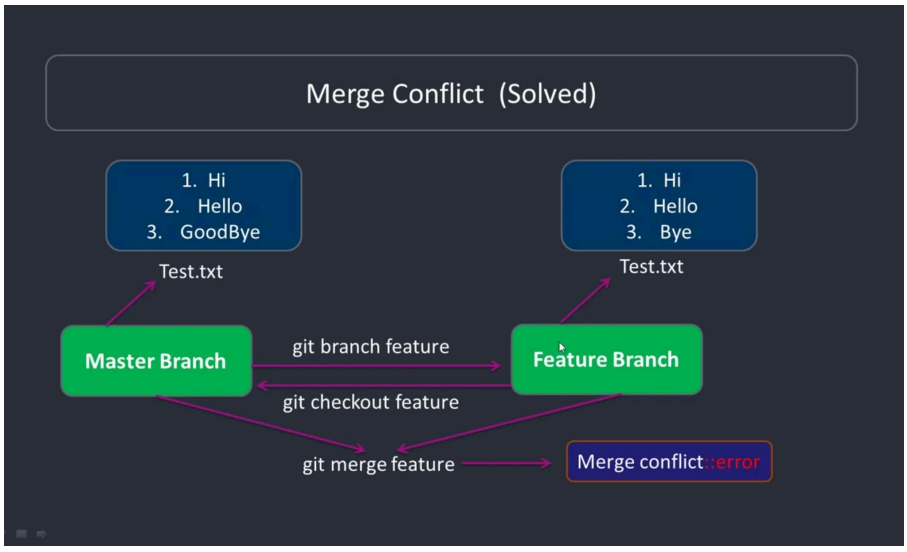
clear | terminal clear |



#25

Merge complete error

Local server



Duita alada branch a same file er same line a alada text rekhe merge korle error show korbe. Tai jekono ekta file er modhe change korte hobe.

#26

Merge complete error solved

Online server, GitHub.