

Git Operations

Git Operations 04112020

Eric C

Pear Deck - April 11, 2020 at 1:03PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1



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Your Development Journey



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Objectives

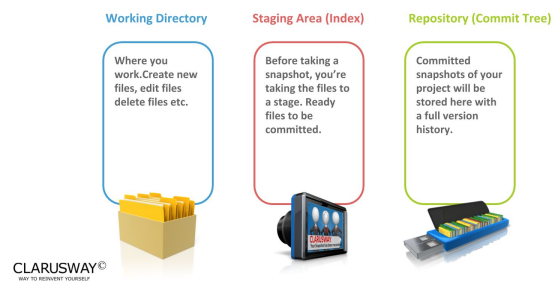
- ▶ Workflow & Branches recap with 2 Tasks
- ▶ Cloning a remote repository
- ▶ Forking a remote repository
- ▶ Pull Request

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WAY TO PERFORM YOURSELF

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▶ Workflow - Git's "three trees"



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Your Response

Answer 1:

- 

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- CLARUSWAY®**
WAY TO REINVENT YOURSELF


```
1109 vi file1.txt 1110 touch file2.txt 1111 vi
file2.txt 1112 git stage 1113 git add . 1114
rm -r file1.txt 1115 git status 1116 mv
file2.txt file3.txt 1117 ls 1118 git daa . 1119
```

Task-2

- Create a file named **file2.txt**
- Edit **file2.txt**
- Stage
- Delete the file **file1.txt**
- Rename **file2.txt** >> **file3.txt**
- Stage **file3.txt**
- Unstage **file3.txt**
- Stage **file3.txt** again
- Commit the file to your repo
- Change the message of the commit
- Switch back to your first commit in [Task-1](#)



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SIMPLY EASY TO LEARN, WRITE YOUR RESPONSE!

Pear Deck Interactive Slide

```
git add . 1120 git restore --stage file3.txt  
1121 git status 1122 git add . 1123 git  
commit -m "second recipe for sutlac" 1124  
git commit --amend -m "Mesajı degistirdim" 1125  
git log 1126 git checkout  
3fa935577511087d4e 1127 git log
```

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Task-2 Solution

- Create a file named **file2.txt**
- Edit **file2.txt**
- Stage
- Delete the file **file1.txt**
- Rename **file2.txt** >> **file3.txt**
- Stage **file3.txt**

```
touch file2.txt
```

```
vim file2.txt
```

```
git add .
```

```
rm file1.txt
```

```
mv file2.txt file3.txt
```

```
git add .
```

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SIMPLY EASY TO LEARN, WRITE YOUR RESPONSE!

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► Task-2 Solution Cntd.

- Unstage **file3.txt** `git rm --cached file3.txt`
- Stage **file3.txt** again `git add .`
- Commit the file to your repo `git commit -m "message"`
- Change the message of the commit `git commit --amend`
- Switch back to your first commit in Task-1

`git log`

`git checkout "first commit ID"`

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Did you finish pre-class work?

Students, drag the icon!

Peer Deck Interactive Slide
Do not remove this text

Your Response

Did you finish pre-class work?

Students, drag the icon!

Peer Deck Interactive Slide
Do not remove this text

Use this space to take notes:

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► What did you learn about Git? »

Let's discuss about Branches



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Your Response

► Git »

Repo, Commit, Branch, Head

What comes to you your mind when you
hear this?



Now, write your response!

Peer Deck Interactive Mode

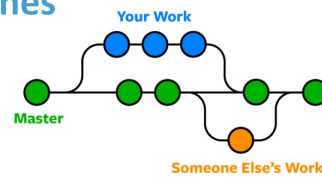
Answer 1:

repo = your storage commit = seal Branch =
trying areas, parallel universe head = who is
responsible

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► Branches



- Production of the project lives on master branch
- Branches are reference to a commit

```
Eric's-Mac:project eric$ git branch  
* master
```

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WAY TO REFINEMENT YOURSELF

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► Branches

- to see local branches

```
git branch
```

- to see remote branches

```
git branch -r
```

- to see all branches

```
git branch -a
```

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WAY TO REFINEMENT YOURSELF

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► Creating/switching branches

- create a new branch

```
git branch Branch name
```

- switch to a branch

```
git checkout Branch name
```

- create a new branch and switch to that branch

```
git checkout -b Branch name
```

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► Deleting branches

- delete a local branch

```
git branch -d Branch name
```

```
git branch -D Branch name
```

- merge a branch

```
git merge Branch name
```

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▶ Connecting your local with remote

- connect to remote repo

```
git remote add origin Repo address
```

origin = alias for your repo address

- first push

```
git push -u origin master
```

- remove remote origin

```
git remote rm origin
```

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▶ Github - Remote Repository

- Act of copying a repository from remote server to your local machine is called **cloning**
- Cloning allows team to work together
- Downloading commits from others : **fetch, merge**
- Downloading commits from others : **pull (fetch + merge)**
- Uploading your commits (local changes) to remote : **push**
- Copying from remote to remote : **fork**

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► Github - Pull Request



- Github's feature not Git's feature
- It allows you to contribute to other projects



Use this space to take notes:

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THANKS!

Any questions?

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Use this space to take notes:

