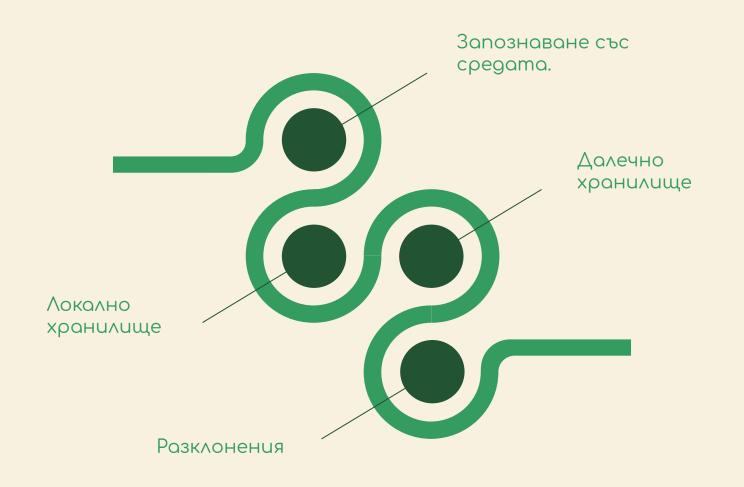


Git & GitHub

Виолета Кабаджова, Кристиян Стоименов









Ако по пътя се изгубите ...











Защо git?

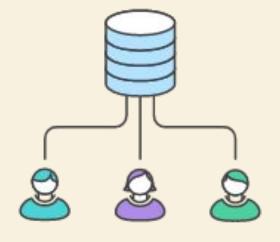




```
~/very-important-code
[I] → ls
code_1.c
code_2.c
code.c
code_final_1.c
code_final.c
code_final_final.c
code_final_for_real.c
```































Създаване на проект





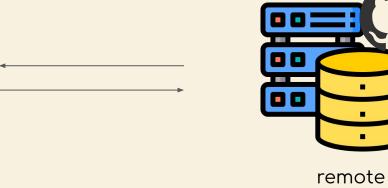
Демонстрация













Списък с ключови понятия





Списък с ключови понятия



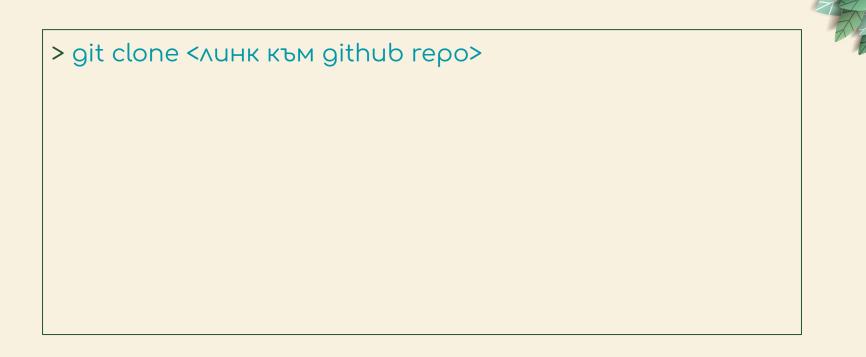
repositoryremote





Локално хранилище









On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)



Тір: Четете внимателно съобщенията често - са много полезни.

- > vim code.c
- > git status

On branch master

No commits yet

Untracked files:

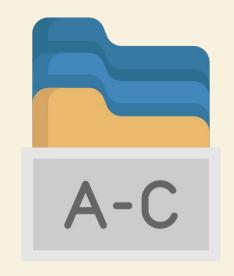
(use "git add <file>..." to include in what will be committed) code.c

nothing added to commit but untracked files present (use "git add" to track)





index/staging area







def foo():
 print("hello world")





npegu cesa

def foo():
 print("hello world")

def foo():
 print("platypus")





npegu cesa

] ၁ def foo():
 print("hello world")

1

def foo():
 print("platypus")











A-C

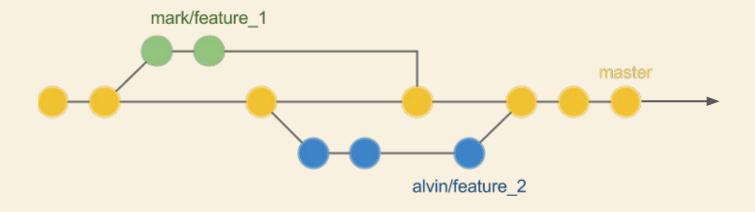
Тір: Добавени промени могат да бъдат отменени със съответна "git reset" команда.



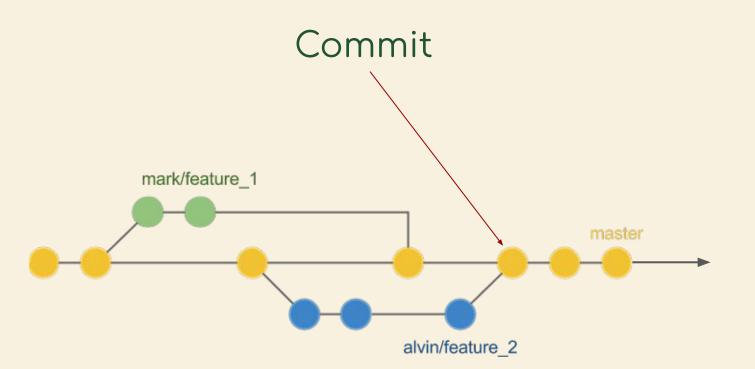


[Your] Git Tree

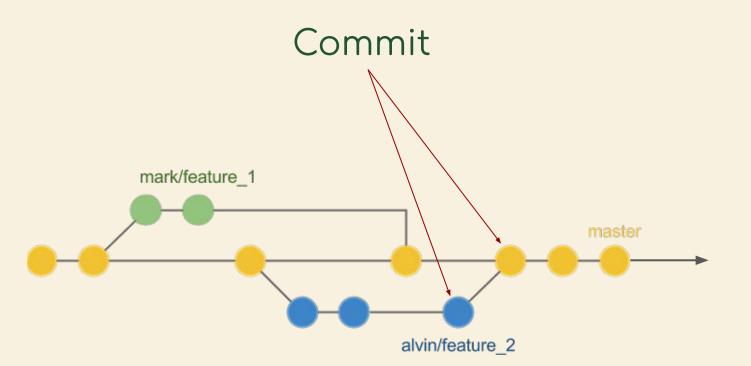




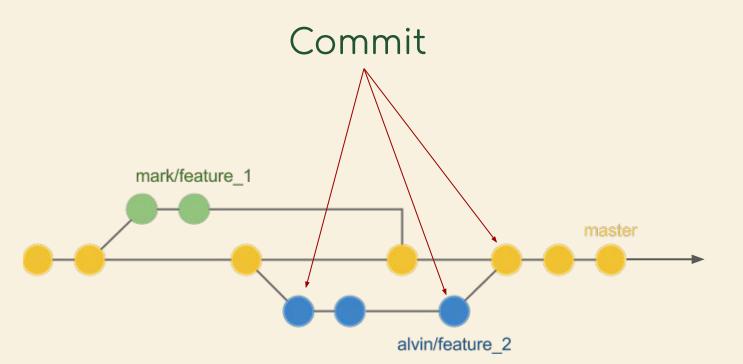




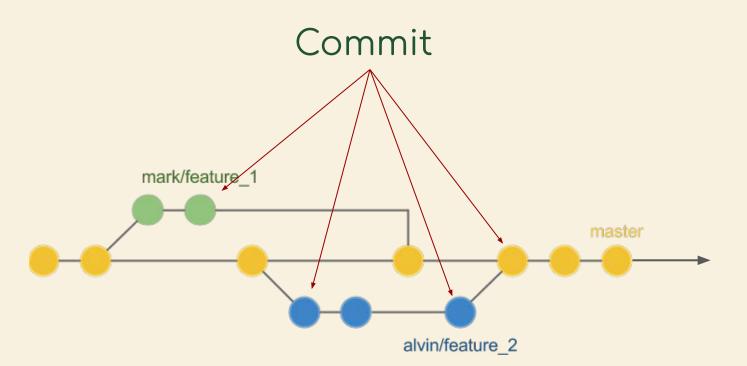




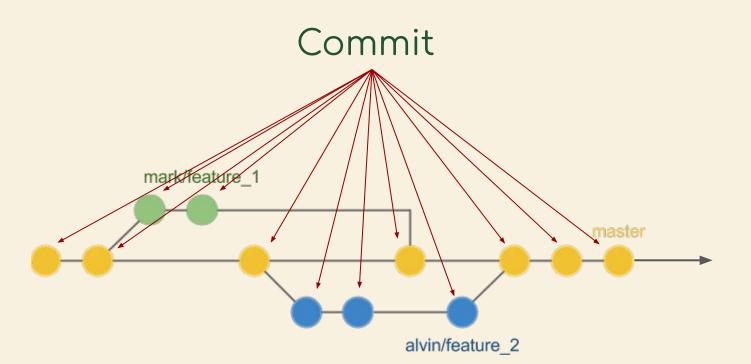




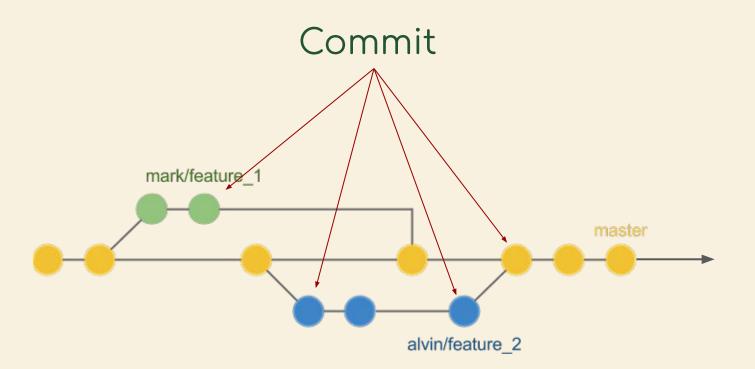








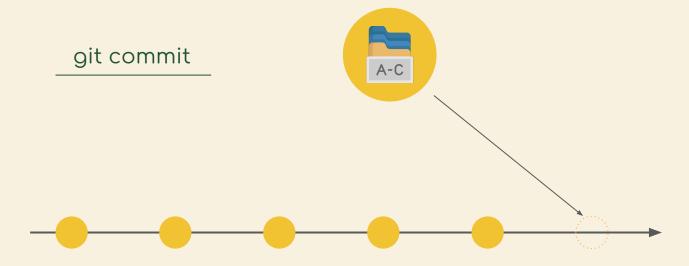














Тір: Пишете пълноценни съобщения към своите къмити!





Демонстрация



Обобщение









Quiz



HackTUES GG

code.py

```
def func():
for i in range(10):
print(i)
```

> git add code.py

code.py

```
def func():
    for s in "string":
        print(s)
```



code.py

def func(): for i in range(10): print(i)

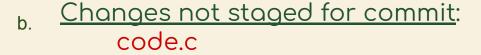
> git add code.py

code.py

def func():
 for s in "string":
 print(s)







c. Changes to be committed: code.c





code.py

def func(): for i in range(10): print(i)

×

<u>Untracked files:</u> code.c

> git add code.py



Changes not staged for commit: code.c

code.py

def func():
 for s in "string":
 print(s)



Changes to be committed: code.c



Списък с ключови понятия





• index / staging area, commit









→ <u>Показва ни къде по дървото се</u> намираме



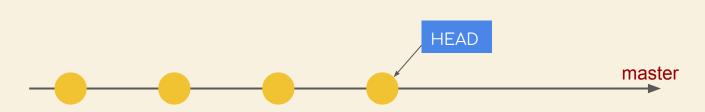
























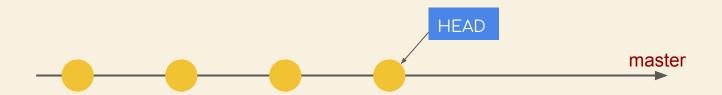














Тір: Знаейки къде сме, можем да посочим и къде искаме да <u>отидем</u>.





















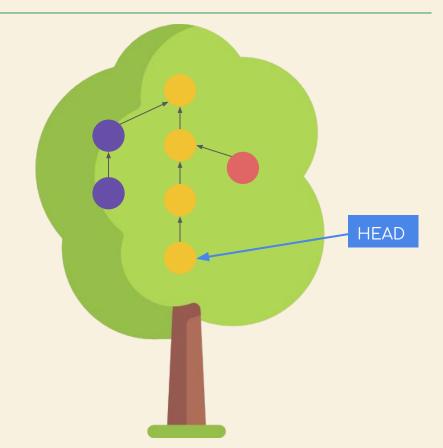
== HEAD^





Обобщение







HackTUES GG

Списък с ключови понятия



repositoryremote

- index / staging area, commit
- HEAD









 Връща промените чрез пренасочване на HEAD към предишен къмит Създава нов къмит, който казва, че връщаме към по-стара версия











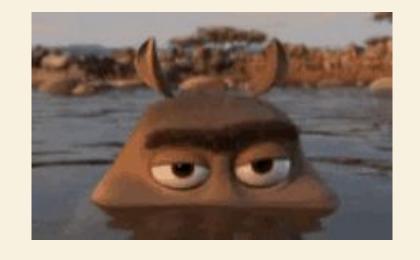








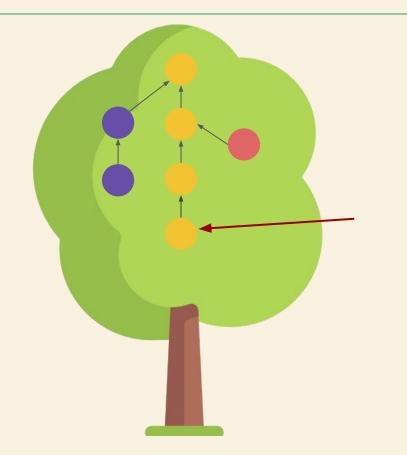






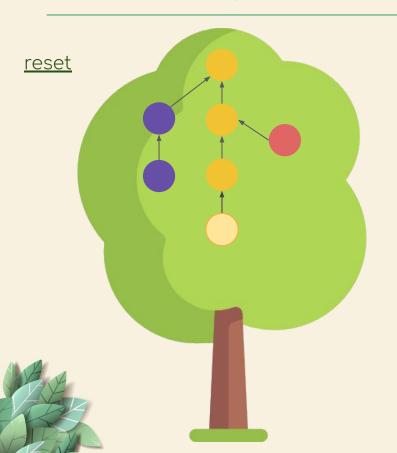
Обобщение



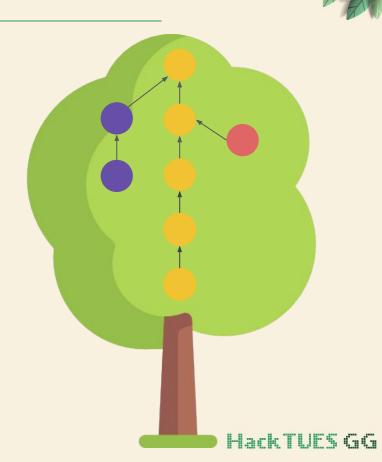




Обобщение









Quiz



HackTUES GG



> git reset --hard HEAD~1







> git reset --hard HEAD~1

> git reflog

1a75c1d... HEAD@{0}: reset --hard HEAD^: updating HEAD f6e5064... HEAD@{1}: commit: added important file

> git reset --hard f6e5064 HEAD is now at f6e5064... added important file



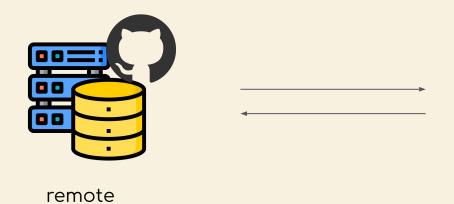


Работа с отралечено хранилище





git pull & git push







merge conflict



code.c line 3: print("platypus");



code.c line 3: print("hello world");





merge conflict



code.c

line 3: print("platypus");



code.c

line 3:

print("hello world");







Демонстрация



Списък с ключови понятия



repositoryremote

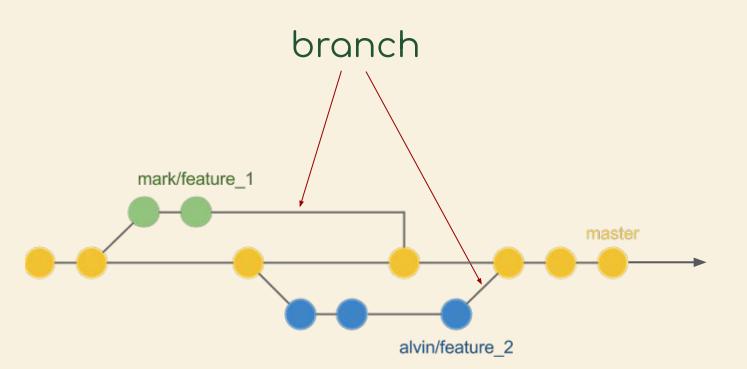
- index / staging area, commit
- HEAD, reset && revert
- merge conflict





Разклонения









The git tree

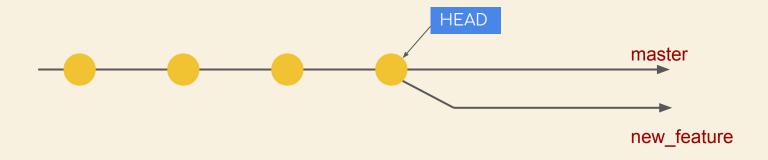






git branch

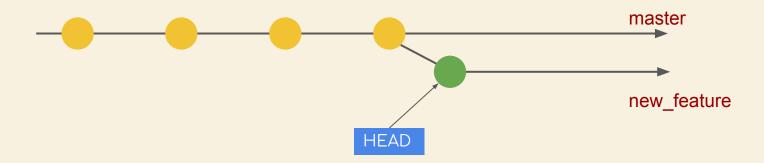
> git branch new_feature







- > git checkout new_feature
- > git commit







Демонстрация







merge





Демонстрация







rebase





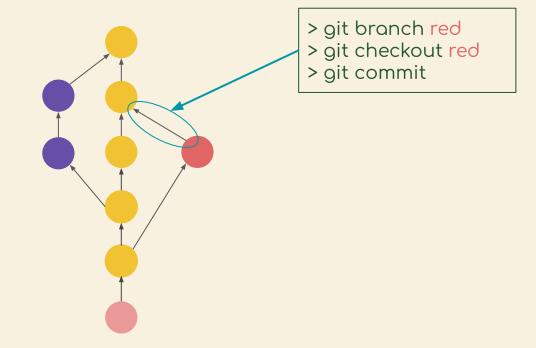


Демонстрация



Обобщение





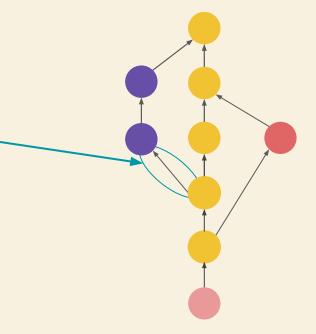


Обобщение



> git checkout yellow

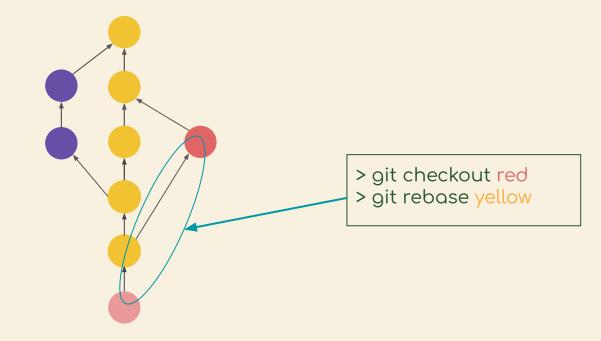
> git merge purple





Обобщение









Защо git?

Version control

Collaboration





Защо git?

Version control

Collaboration

OCBEH TOBA Не е задължително, но нямате избор...





Благодарим за вниманието!





Но искам още...







Още!

- Atlassian
- Learn Git Branching
- How to write good commit messages
- <u>Understanding Git (part 2) Data</u>
 <u>model</u>
- Introduction to Git









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Вили:

vkabadzhova@gmail.com







Repository:

https://github.com/boki1/Git-Workshop-2021



