vendredi 28 mai 2021 - Souiden cours1 TP1 -intervenant git -UE36 --distanciel labynocle

Notes :cloner en ssh (recommandé)

1. trouver la commande : `git clone git@github.com:amineAUPEC/recipes.git`

2. trouver la commande git permettant de configurer votre nom et votre mail

- La commande git permettant de configurer notre nom et notre adresse mail est :
```
git config --global user.name "Amine XXXX"
git config --global user.email "amine@u-pec.fr"
```

2. savez vous où retrouver ces informations sur votre ordinateur ?

- Les informations sont dans :
  - `~/.gitconfig`

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36/cours1-souiden-git (main)
$ cat ~/.gitconfig
[user]
        email = 79785242+amineAUPEC@users.noreply.github.com
        name = amineAUPEC
[filter "lfs"]
        process = git-lfs filter-process
        required = true
        clean = git-lfs clean -- %f
        smudge = git-lfs smudge -- %f
```

3. créer un commit modifiant la recette des vegan cookie (changer la quantité de chocolat)

- `git add . && git commit -m changequantity_vegancookies && git push`

changequantity_vegancookies

⎇ master

amineAUPEC committed 2 hours ago

Showing 1 changed file with 1 addition and 1 deletion.

```
⌄  ✛ 2 ■■□□□ vegan_cookies/README.md ⧉
   ⤒       @@ -14,7 +14,7 @@ inspired by [lafeestephanie.com](http://www.la
   14  14
   15  15      ## Ingredients
   16  16
   17         - ~ 8 vegan cookies
       17     + ~ 18 vegan cookies
   18  18
   19  19      What?        | How Many?
   20  20      -------------- | ---------------
   ⤓
```

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4. créer un commit effacant la recette coco_rocks

- cd recipes/coco_rocks/ && git rm README.md && git commit -m delete_coco_rocks && git push

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/coco_rocks (master)
$ git rm README.md && git commit -m delete_coco_rocks && git push
rm 'coco_rocks/README.md'
[master 9cc85d8] delete_coco_rocks
 1 file changed, 57 deletions(-)
 delete mode 100644 coco_rocks/README.md
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 315 bytes | 315.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/amineAUPEC/recipes.git
   c2de282..9cc85d8  master -> master
```

5. créer un commit renommant banana_chocolate_cake en banana_cake

- git mv banana_chocolate_cake banana_cake && git commit -m rename_banana_chocolate_cake && git push

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes (master)
$ git mv banana_chocolate_cake banana_cake && git commit -m rename_banana_chocolate_cake && git push
[master 6352986] rename_banana_chocolate_cake
 5 files changed, 0 insertions(+), 0 deletions(-)
 rename {banana_chocolate_cake => banana_cake}/README.md (100%)
 rename {banana_chocolate_cake => banana_cake}/images/banana_chocolate_cake-01.jpg (100%)
 rename {banana_chocolate_cake => banana_cake}/images/banana_chocolate_cake-02.jpg (100%)
 rename {banana_chocolate_cake => banana_cake}/images/banana_chocolate_cake-03.jpg (100%)
 rename {banana_chocolate_cake => banana_cake}/images/banana_chocolate_cake-04.jpg (100%)
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 256 bytes | 256.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/amineAUPEC/recipes.git
   9cc85d8..6352986  master -> master
```

6. créer un commit qui annule le commit effacant la recette coco_rocks

- git revert 9cc85d8a700e3a33e4a11baf4db679e695b91cba && git push

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/coco_rocks (master)
$ git rm README.md && git commit -m delete_coco_rocks && git push
rm 'coco_rocks/README.md'
[master 9cc85d8] delete_coco_rocks
 1 file changed, 57 deletions(-)
 delete mode 100644 coco_rocks/README.md
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 315 bytes | 315.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/amineAUPEC/recipes.git
   c2de282..9cc85d8  master -> master
```

7. trouver la commande git affichant les modifications de votre commit

- `git show`

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes (master)
$ git show 9cc85d8a700e3a33e4a11baf4db679e695b91cba
commit 9cc85d8a700e3a33e4a11baf4db679e695b91cba
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 15:47:25 2021 +0200

    delete_coco_rocks

diff --git a/coco_rocks/README.md b/coco_rocks/README.md
deleted file mode 100644
index 82302ae..0000000
--- a/coco_rocks/README.md
+++ /dev/null
@@ -1,57 +0,0 @@
-# Coco Rocks
-
-
-## Overview
-
```

8. trouver la commande git affichant la liste des fichiers modifiés d'un commit

- `git show --name-only $9cc85d8a700e3a33e4a11baf4db679e695b91cba`

```
git <command> [<revision>...]    [<file>...]

Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes (master)
$ git show --name-only 9cc85d8a700e3a33e4a11baf4db679e695b91cba
commit 9cc85d8a700e3a33e4a11baf4db679e695b91cba
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 15:47:25 2021 +0200

    delete_coco_rocks

coco_rocks/README.md
```

9. trouver la commande git listant l'historique des commits modifiant un fichier

- `git log $name_of_file`

10. trouver la commande git affichant les 8 derniers commits sur le format:

- ```
  git log -8 --oneline --pretty=" %h is the id | the date is %cd | committed %h |
  message %s"
  ```

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/vegan_cookies (master)
$ git log -8 --oneline --pretty=" %h is the id | the date is %cd | committed %h | message %s"
 464a237 is the id | the date is Fri May 28 16:00:59 2021 +0200 | committed 464a237 | message Revert "delete_coco_rocks"
 6352986 is the id | the date is Fri May 28 15:51:41 2021 +0200 | committed 6352986 | message rename_banana_chocolate_cake
 9cc85d8 is the id | the date is Fri May 28 15:47:25 2021 +0200 | committed 9cc85d8 | message delete_coco_rocks
 c2de282 is the id | the date is Fri May 28 15:42:18 2021 +0200 | committed c2de282 | message changequantity_vegancookies
 a888815 is the id | the date is Sun May 9 21:01:52 2021 +0200 | committed a888815 | message taboule :: init (#6)
 fc25265 is the id | the date is Fri Nov 13 22:27:58 2020 +0100 | committed fc25265 | message date_energy_balls :: init (#3)
 1a20b94 is the id | the date is Sun May 3 17:23:21 2020 +0200 | committed 1a20b94 | message banana_chocolate_cake :: init (#5)
 eaa9c15 is the id | the date is Sun Mar 1 20:48:18 2020 +0100 | committed eaa9c15 | message cheese_naans :: init (#4)
```

11. trouver la commande git affichant uniquement vos commits

- ```
  git log --author=amineAUPEC
  ```

```
Author: hashib <63921979+hashib@users.noreply.github.com>

Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/vegan_cookies (master)
$ git log --author=amineAUPEC
commit 464a2379e357dbe4cad24f864b957c05bf41ce7f (HEAD -> master, origin/master, origin/HEAD)
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 16:00:59 2021 +0200

    Revert "delete_coco_rocks"

    This reverts commit 9cc85d8a700e3a33e4a11baf4db679e695b91cba.

commit 635298676f5dcf80165881c48317451ff708e202
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 15:51:41 2021 +0200

    rename_banana_chocolate_cake

commit 9cc85d8a700e3a33e4a11baf4db679e695b91cba
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 15:47:25 2021 +0200

    delete coco rocks
```

12. trouver la commande git pour renommer le commit message de votre dernier commit

- ```
  git commit --amend -m "$New commit message." && git push
  ```
- S'il y a des modifs :
  - ```
    git add . && git commit --amend -m "minor_modifofminor_modif" && git push
    ```

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/vegan_cookies (master)
$ git commit --amend -m "last_modif_ofminor_modif" && git push
[master fc22721] last_modif_ofminor_modif
 Date: Fri May 28 17:07:48 2021 +0200
Enumerating objects: 2, done.
Counting objects: 100% (2/2), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 357 bytes | 357.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/amineAUPEC/recipes.git
   d5fe342..fc22721  master -> master

Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/vegan_cookies (master)
```

13. afficher à nouveau les git logs et regardez les commit ID, que constatez vous et que comprennez vous ?
  - ```
    git log
    ```
  - on remarque que les hash servent de commitID et qu'ils sont nouveaux, c'est des identidiants uniques (uid)

```
Images - README.md

Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/vegan_cookies (master)
$ git log --author=amineAUPEC
commit fc22721e4a054fb4832cd8c1309072fd9bf98f3b (HEAD -> master, origin/master, origin/HEAD)
Merge: f0aac08 d5fe342
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 17:07:48 2021 +0200

    last_modif_ofminor_modif

commit f0aac08121408371eac87fd64fae511073206736
Merge: 8385ea9 f75cff4
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 17:07:00 2021 +0200

    last_modif_ofminor_modif

commit d5fe342a900076e3c8bbc58cb02bffc848633c5d
Merge: 8385ea9 f75cff4
Author: amineAUPEC <79785242+amineAUPEC@users.noreply.github.com>
Date:   Fri May 28 17:07:00 2021 +0200

    Merge branch 'master' of https://github.com/amineAUPEC/recipes
```

14. y a t'il une commande pour afficher qui a écrit chaque ligne d'un fichier?

- `git blame $filename`

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/vegan_cookies (master)
$ git blame README.md
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  1) # Vegan Cookies
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  2)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  3)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  4) ## Overview
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  5)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  6) Main            | Notes
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  7) --------------- | ---------
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  8) Is it complexe? | noob level
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200  9) About the dishes | light
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200 10) Quick or not    | yes
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200 11)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200 12) inspired by [lafeestephanie.com](http://www.lafeestephanie.com/2017/04/recette-des-cookies-aux-flocons-davoine.html)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200 13)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200 14)
d8f95673 (Erwan Ben Souiden 2019-04-07 13:07:29 +0200 15) ## Ingredients
8385ea94 (amineAUPEC         2021-05-28 17:04:24 +0200 16)
```

15. créer:

16. A. un commit qui modifie la recette de cheese_naans (quantite d'oeuf)
    - `git add . && git commit -m changequantity_cheese_naans_eggs`

17. B. un commit qui modifie la recette de cheese_naans (quantite de farine)
    - `git add . && git commit -m changequantity_cheese_naans_flour`

18. C. un commit qui modifie la recette de cheese_naans (quantite feta)
    - `git add . && git commit -m changequantity_cheese_naans_feta`

19. D. trouver les commandes vous permettant de merger ces 3 derniers commits en un seul
    - `git rebase -i HEAD~3 && git push --force origin HEAD`

```
Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/cheese_naans (master)
$ git rebase -i HEAD~3
[detached HEAD be6244f] changequantity_cheese_naans_eggs
                                         Date: Fri May 28 17:18:32 2021 +0200
                                                          1 file changed, 3 insertions(+), 3 deletions(-)

Successfully rebased and updated refs/heads/master.

Administrateur@RT107-32 MINGW64 ~/Documents/Cdocuments/Eagain/ue36-mytpgit/recipes/cheese_naans (master)
$ git push --force origin HEAD
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 436 bytes | 436.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/amineAUPEC/recipes.git
 + 0b823de...be6244f HEAD -> master (forced update)
```

Commits on May 28, 2021

changequantity_cheese_naans_eggs ...
changequantity_cheese_naans_flour
changequantity_cheese_naans_feta
amineAUPEC committed 2 minutes ago

last_modif_ofminor_modif
amineAUPEC committed 16 minutes ago

last_modif_ofminor_modif
amineAUPEC committed 17 minutes ago

Merge branch 'master' of https://github.com/amineAUPEC/recipes
amineAUPEC committed 17 minutes ago

minor_modifofminor_modif
amineAUPEC committed 18 minutes ago

minor_modif
amineAUPEC committed 20 minutes ago

Revert "delete_coco_rocks" ...
amineAUPEC committed 1 hour ago

rename_banana_chocolate_cake
amineAUPEC committed 2 hours ago

delete_coco_rocks
amineAUPEC committed 2 hours ago

changequantity_vegancookies
amineAUPEC committed 2 hours ago

https://github.com/amineAUPEC/recipes

https://github.com/amineAUPEC/ue36/blob/main/cours1-souiden-git/TP1-cours1-git/TP1.md

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