GIT LESSON 2

Task 1

a. You need to add some more changes in a file from your local repository and then to pass these changes to remote repo. What steps should vou follow (reproduce this actions)?

```
boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (1369275...))

5 cd ..

poelingENAIOSSI MINGME4 ~/git_lesson (master)

5 cd task2.v1

boelingENAIOSSI MINGME4 ~/git_lesson (master)

5 cd task2.v1

boelingENAIOSSI MINGME4 ~/git_lesson (master)

5 cd task2.v1

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cd task2.v1

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cd task2.v1

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 stest.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 stest.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cjt commit — "Create file"

Inster (root-commit) &&Soeler() Create file

1 file changed, 1 insertion(*)

create mode 100464 test.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cjt commit — "Create file"

create mode 100464 test.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cjt commit — "Git_lesson/task2.v1 (master)

5 cjt commit — "Create file"

create mode 100464 test.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cjt commit — "Create file"

create mode 100464 test.txt

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create mode 100464 test.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cjt commit — "Create file"

create mode 100464 test.txt

boelingENAIOSSI MINGME4 ~/git_lesson/task2.v1 (master)

5 cjt commit — "Create file"

commit &&Create file

Total of the publicates of the
```

b. You have made a small mistake in the commit message or in a file within the previous commit which was pushed to remote and now you must make those minor corrections without "registering a new commit. How can you achieve that?

```
MINGW64:/c/Users/bpelin/git_lesson/task2.v1
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ ls_-l
total 1
 -rw-r--r-- 1 bpelin 1049089 13 May 3 21:13 test.txt
 opelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ git status
on branch master
Your branch is up to date with 'origin/master'.
nothing to commit, working tree clean
bpelin@EN410331
$ nano test.txt
 ppelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
 opelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ git add .
 bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
S git commit --amend
[master ff5af57] Create file name- test.txt
Date: Wed May 3 21:01:54 2023 +0300
1 file changed, 2 insertions(+)
create mode 100644 test.txt
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ git push --force
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 262 bytes | 262.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/malasiavasea454/git_lesson-task2.git
+ 86c9efc...ff5af57 master -> master (forced update)
 ppelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
```

c. You need a new folder in your project on local repository where you will keep some local configurations, secrets which should not be promoted in further commits or on remote. How will you achieve that?

```
MINGW64:/c/Users/bpelin/git lesson/task2.v1
                                                                                   П
 pelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ ls -l
total 1
drwxr-xr-x 1 bpelin 1049089 0 May 3 21:22 configurations/
-rw-r--r- 1 bpelin 1049089 42 May 3 21:14 test.txt
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ echo "configurations/" >> .gitignore
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ >ignore_test_file.txt
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ mv ignore_test_file.txt configurations/
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ cd configurations/
 opelin@EN410951 MINGW64 ~/git_lesson/task2.v1/configurations (master)
$ ls -l
total 0
 -rw-r--r-- 1 bpelin 1049089 0 May 3 21:28 ignore_test_file.txt
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v1/configurations (master)
 opelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
 pelin@EN410951 MINGW64 ~/git_lesson/task2.v1 (master)
```

2. You are a new joiner in a developing team, and in order to start working you need to recreate the project's remote repository to your working station. What will be your actions?

3. As a new joiner, you just started to work on a project which is using Git and follows a classic branching strategy. You have cloned the remote repo to a local one and need to start to work on a task. What will be your first actions?

```
hpelinetwijosi mixowsi -/git_lesson/task2.v2 (master)
1 cd ...

hpelinetwijosi mixowsi -/git_lesson/task2.v2 (master)
2 cd ...

hpelinetwijosi mixowsi -/git_lesson(master)
3 cd ...

hpelinetwijosi mixowsi -/git_lesson(master)
3 mkdri command not found
bush: mkdri: command -/git_lesson(master)
1 cd task2.v3)

hpelinetwijosis mixowsi -/git_lesson(master)
5 git clone https://github.com/malasiavaseasi4/git_lesson-task2.git
cloning into 'git_lesson-task2'...

remote: romerating objects: 3, dome.

remote: romerating objects: 100K (3/2), dome.

remote: romerating objects: 100K (3/2
```

```
pplinBtw410951 MINGw64 ~/git_lesson/task2.v3 (1234)
5 ls -al
total 4
drwxr-wr-x 1 bpelin 1049089 0 May 3 21:53 ./
drwxr-wr-x 1 bpelin 1049089 0 May 3 21:53 ./
drwxr-wr-x 1 bpelin 1049089 0 May 3 21:53 int
drwxr-wr-x 1 bpelin 1049089 0 May 3 21:53 int
ppelinBtw410951 MINGw64 -/git_lesson/task2.v3 (1234)
5 git add test3.txt

ppelinBtw410951 MINGw64 -/git_lesson/task2.v3 (1234)
5 git commit -m "Exercise 3"
2 files changed, 1 insertion(+)
create mode 10000t task2.v3/git_lesson-task2
create mode 100044 task2.v3/git_lesson-task2
create mode 100044 task2.v3/git_lesson/task2.v3 (1234)
5 git status
On branch 1234
Untracked files:
(use "git add files..." to include in what will be committed)
.../task2.v1/
.../task2.v1/
.../task2.v1/
.../task2.v1/
.../task2.v2/
nothing added to commit but untracked files present (use "git add" to track)

hpplinBtw410951 MINGw64 -/git_lesson/task2.v3 (1234)
5 git push origin 1234
Enumerating objects: 23. done.
Counting objects: 100% (23/23), done.
Delta Compression using objects: 100% (23/23), done.
De
```

4. You are actively working on a new implementation on a branch called feature. You are asked to perform a bug fix and deliver it as soon as possible. Your actions?

```
linfewH0951 MINGM64 ~/git_lesson/task2.v3 (1234)
it checkout master
ning: unable to rmdir 'task2.v3/git_lesson-task2': Directory not empty
tched to branch 'master'
r branch is up to date with 'origin/master'.
   pelinMEN410951 MINGM64 ~/git_lesson/task2.v3 (master) git pull oorigin master tatal: 'oorigin' does not appear to be a git repository stal: Could not read from remote repository.
   lease make sure you have the correct access rights id the repository exists.
no the repository exists.

pelinemusios3 Mixoneda -/git_lesson/task2.v3 (master)

pelinemusios3 Mixoneda -/git_lesson/task2.v3 (master)

pelinemusios3 Mixoneda -/git_lesson/task2.v3 (master)

penote in the second in the second
      elin8EN410951 MINGW64 ~/git_lesson/task2.v3 (master)
git checkout feature1
ror: pathspec 'feature1' did not match any file(s) known to git
   pelin®EN410951 MINGW64 ~/git_lesson/task2.v3 (master)
git checkout -b feature1
vitched to a new branch 'feature1'
   pelin®EN410951 MINGW64 ~/git_lesson/task2.v3 (featurel)
>bugfix.txt
 pelin@EN410951 MINGW64 ~/git_lesson/task2.v3 (feature1)
git Commit -m "Bug fix : task4"
it: 'Commit' is not a git command. See 'git --help'.
 he most similar command is commit
   pelin@EN410951 MINGW64 ~/git_lesson/task2.v3 (feature1)
git pull origin master^C
git add bugfix.txt

pelinBrw410951 MINGW64 -/git_lesson/task2.v3 (featurel)

git commit - m "Bug fix : task4"

feature! fb431aa] Bug fix : task4

I file changed, 0 insertions(-), 0 deletions(-)

create mode 100644 task2.v3/bugfix.txt
create Mode 100644 tasks.73/00pt 18.CKC

git push origin feature1

git push origin feature1

numerating objects: 5, done.

ounting objects: 100% (5/5), done.

elta compression using up to 8 threads

ompressing objects: 100% (2/2), done.

riting objects: 100% (4/4), 321 bytes | 321.00 KiB/s, done.

otal 4 (delta 1), reused 0 (delta 0), pack-reused 0

emote: Resolving deltas: 100% (1/1), completed with 1 local object.
pelineEu410931 MINGM64 ~/git_lesson/task2.v3 (feature1)
git push origin feature1
numerating objects: 5, done.
ounting objects: 100% (5/5), done.
elta compression using up to 8 threads
ompressing objects: 100% (2/2), done.
riting objects: 100% (4/4), 321 bytes | 321.00 KiB/s, done.
oral 4 (delta 1), reused 0 Oklta 0), pach-reuse of the 10 cal object.
enote: fits repository moved. Please use the new location:
enote: https://github.com/malasiavasea454/git_lesson-task2.git
emote:
                              Create a pull request for 'feature1' on GitHub by visiting:
https://github.com/malasiavasea454/git_lesson-task2/pull/new/feature1
                                  ://github.com/malasiavasea454/git_lesson.git
branch] feature1 -> feature1
                            branch) featurel -> featurel
[EM1095] MINOW64 -/git_lesson/task2.v3 (featurel)
heckout master
d to branch 'master'
anch and 'origin/master' have diverged,
e 7 and Liffferen commits each, respectively,
e git pull" to merge the remote branch into yours)
      oating Ezourd
ask2.v3/bugfix.txt | 0
file changed, 0 insertions(+), 0 deletions(-)
reate mode 100644 task2.v3/bugfix.txt
```

```
bpelin@EN410951 MINGW64 ~/git_lesson/task2.v3 (master)
$ git pull
fatal: refusing to merge unrelated histories

bpelin@EN410951 MINGW64 ~/git_lesson/task2.v3 (master)
$ ggit pull --rebase
bash: $'\302\203git': command not found

bpelin@EN410951 MINGW64 ~/git_lesson/task2.v3 (master)
$ git pull --rebase
Successfully rebased and updated refs/heads/master.

bpelin@EN410951 MINGW64 ~/git_lesson/task2.v3 (master)
$ git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compression objects: 100% (2/2), done.
Writing objects: 100% (4/4), 336 bytes | 336.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote: This repository moved. Please use the new location:
remote: https://github.com/malasiavasea454/git_lesson.git
ff5af57..12ccf59 master -> master
```