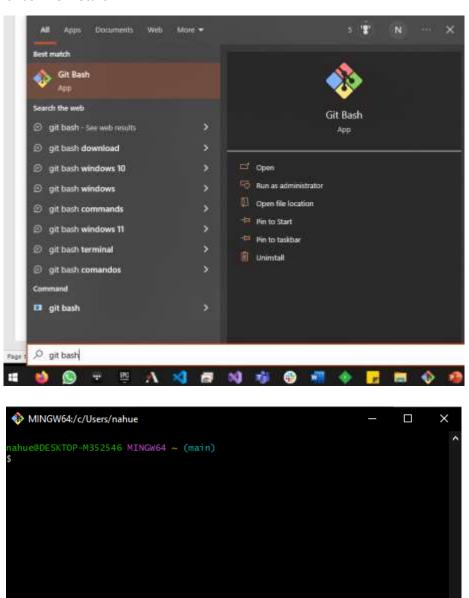
Team International AQA Bootcamp Task 1: Git

Student: Nahuel Rodríguez Maury

Part 1: Repository initialization and first commit

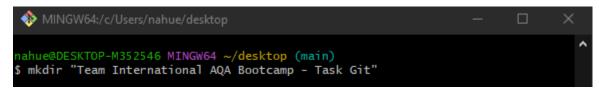
1. Open Git Bash from Start:



2. Move to desktop:



3. Create a working directory:





4. Enter into the folder:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/desktop (main)
$ cd "Team International AQA Bootcamp - Task Git"

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)
$ |
```

5. Initialize the repository:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)

$ git init
Initialized empty Git repository in C:/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/.git/
```

6. Customize the config file:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)

$ git config --global user.email "nahuelrmaury@gmail.com"

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)

$ git config --global user.name "Nahuel Rodriguez"
```

7. Create a working directory in it:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)

$ mkdir student_Rodriguez
```

8. Enter into the new folder and create 3 project files:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)
$ cd student_Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$ touch hello_Rodriguez.rb hey_Rodriguez.rb hi_Rodriguez.rb

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$ ls
hello_Rodriguez.rb hey_Rodriguez.rb hi_Rodriguez.rb
```

9. Move back and check repository status:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$ cd ..

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git (main)
$ git status
On branch main

No commits yet

Untracked files:

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

student_Rodriguez/

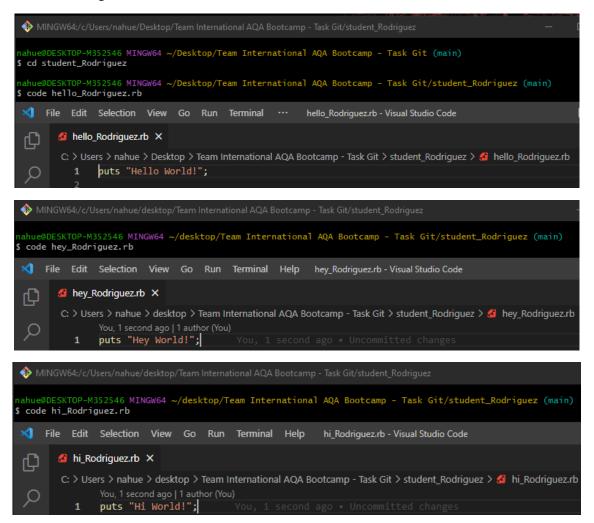
nothing added to commit but untracked files present (use "git add" to track)
```

10. Index the files and make the first commit:

```
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)
$ git add .

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)
$ git commit -m "first commit Rodriguez"
[main (root-commit) 10bc86e] first commit Rodriguez
3 files changed, 7 insertions(+)
create mode 100644 student_Rodriguez/hello_Rodriguez.rb
create mode 100644 student_Rodriguez/hey_Rodriguez.rb
create mode 100644 student_Rodriguez/hi_Rodriguez.rb
```

11. Make changes to files:



12. Index the files and make a commit of the changes:

(I did not was sure about this step, because the task just says to make a commit, but I index the files before that so It can commit it correctly)

```
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)
$ git add .

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)
$ git commit -m "second commit Rodriguez"
[main 2d308d8] second commit Rodriguez
3 files changed, 3 insertions(+), 4 deletions(-)
```

Part 2: Working with changes

1. Make changes to the first file:

2. Index the file:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

$ git add hello_Rodriguez.rb
```

3. Make new changes to the first file:

```
MINGW64:/c/Users/nahue/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez —

nahue@DESKTOP-M352546 MINGW64 ~/desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

code hello_Rodriguez.rb

File Edit Selection View Go Run Terminal ··· hello_Rodriguez.rb - Visual Studio Code

hello_Rodriguez.rb ×

C: > Users > nahue > desktop > Team International AQA Bootcamp - Task Git > student_Rodriguez > hello_Rodriguez.rb

You, now | 1 author (You)

1 puts "Hello World";

2 puts "Hello World!";

3 puts "Hello World!!"; You, now • Uncommitted changes
```

4. Check status:

5. Make commit and check status:

6. Explain the result:

I first made changes to the first file and then tracked it with "git add hello_Rodriguez.rb", this way I move it to staging area. After, I made more changes to the first file. Then, I committed, and the result was that the first changes were committed and passed to the local repository and the second changes stayed in the working directory.

7. Display the history of the project:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git —

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)

§ git log
commit 9eabfbce266743360e8ef0bda9b2537bd89aa80b (HEAD -> main)

Author: Nahuel Rodriguez <nahuelrmaury@gmail.com>
Date: Thu Apr 6 16:01:33 2023 -0300

third commit Rodriguez

commit 4487bddc35931f0c8b39fdf107a18261a0f535e6

Author: Nahuel Rodriguez <nahuelrmaury@gmail.com>
Date: Thu Apr 6 15:59:54 2023 -0300

second commit Rodriguez

commit b026d68ef26a6b06c27c5314018196a232b1d0b7

Author: Nahuel Rodriguez <nahuelrmaury@gmail.com>
Date: Thu Apr 6 15:58:59 2023 -0300

first commit Rodriguez
```

8. Use the command git log –pretty=oneline, adjusting relevant options to display the latest commits for 5 minutes:

If I had used -pretty=oneline, it would not show relevant options. So, I had to give it some format.

Command used: git log --pretty="%C(Yellow)%h %C(reset)%ad (%C(Green)%cr%C(reset))%x09 %C(Cyan)%an: %C(reset)%s" --date=short -7 --since="5 minutes ago"

```
🚸 MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git
                                                                                                               nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)
$ git log --pretty="%C(Yellow)%h %C(reset)%ad (%C(Green)%cr%C(reset))%x09 %C(Cyan)%an: %C(reset)%s" --date=short -7
--since="5 minutes ago"
        2023-04-06 (48 seconds ago)
2023-04-06 (2 minutes ago)
2023-04-06 (3 minutes ago)
                                          Nahuel Rodriguez: third commit Rodriguez
                                          Nahuel Rodriguez: second commit Rodriguez
                                          Nahuel Rodriguez: first commit Rodriguez
   nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git
  $ git log --pretty="%C(Yellow)%h %C(reset)%ad (%C(Green)%cr%C(reset))%x09 %C(Cyan)
   --since="5 minutes ago"
   Of362ec 2023-04-06 (48 seconds ago)
                                                            Nahuel Rodriguez: third commit Rodriguez
   cec9c4b
             2023-04-06 (2 minutes ago)
                                                            Nahuel Rodriguez: second commit Rodriguez
    644a25
              2023-04-06 (3 minutes ago)
                                                            Nahuel Rodriguez: first commit Rodriguez
```

Part 3: Working with the previous states of the repository

1. Revert the state of the files:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git (main)

$ git checkout cec9c4b
Note: switching to 'cec9c4b'.

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at cec9c4b second commit Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git ((cec9c4b...))

$ |
```

2. Revert the state of the files to the latest commit:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git ((cec9c4b...))

$ git checkout 0f362ec
Previous HEAD position was cec9c4b second commit Rodriguez
HEAD is now at 0f362ec third commit Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git ((0f362ec...))

$
```

Part 4: Working with tags

1. Create a tag in the current repository snapshot:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git ((0f362ec...))

$ git tag V1_Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git ((V1_Rodriguez))

$
```

2. Make changes and at least two commits in the current directory:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez
                                                                                                                     ue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git ((V1_Rodriguez))
 cd student_Rodriguez
 ahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((V1_Rodriguez)
 touch firstChange_Rodriguez.rb
 ahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((V1_Rodriguez))
 git add firstChange_Rodriguez.rb
                                 Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((V1_Rodriguez))
     @DESKTOP-M352546 MINGW64
$ git commit -m "fourth commit Rodriguez"
[detached HEAD 42a1162] fourth commit Rodriguez
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 student_Rodriguez/firstChange_Rodriguez.rb
🚸 MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez
                                                                                                                       ahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((42a1162...))
 touch secondChange_Rodriguez.rb
 ahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((42a1162...))
$ git add secondChange_Rodriguez.rb
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((42a1162...))
$ git commit -m "fifth commit Rodriguez
[detached HEAD 4d79666] fifth commit Rodriguez
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 student_Rodriguez/secondChange_Rodriguez.rb
```

3. Demonstrate reverting to a tagged repository state:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez — 
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((4d79666...))

$ git checkout V1_Rodriguez
Warning: you are leaving 2 commits behind, not connected to any of your branches:

4d79666 fifth commit Rodriguez
42a1162 fourth commit Rodriguez
If you want to keep them by creating a new branch, this may be a good time to do so with:

git branch <new-branch-name> 4d79666

HEAD is now at 0f362ec third commit Rodriguez

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((V1_Rodriguez))

$ |
```

4. Revert to the last master state:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez — 
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez ((V1_Rodriguez))
$ git checkout main
Switched to branch 'main'
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$
```

Part 5: Working with the revert function

1. Make changes to the current state of the working directory:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez —

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

$ git status
On branch main
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)

modified: hello_Rodriguez.rb

modified: hey_Rodriguez.rb

modified: hey_Rodriguez.rb

modified: hi_Rodriguez.rb

no changes added to commit (use "git add" and/or "git commit -a")
```

2. Index the changes:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez -
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$ git add .
```

3. Use the restore command to restore the original state of the files:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez —

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

$ git restore --staged hello_Rodriguez.rb

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

$ git restore --staged hey_Rodriguez.rb

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

$ git restore --staged hi_Rodriguez.rb
```

```
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$ git status
On branch main
Changes not staged for commit:
   (use "git add <file>..." to update what will be committed)
   (use "git restore <file>..." to discard changes in working directory)
        modified: hello_Rodriguez.rb
        modified: hey_Rodriguez.rb
        modified: hey_Rodriguez.rb
        modified: hi_Rodriguez.rb
no changes added to commit (use "git add" and/or "git commit -a")
```

4. Make directory state changes:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez —

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

$ git status
On branch main
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)

modified: hello_Rodriguez.rb
modified: hey_Rodriguez.rb
modified: hi_Rodriguez.rb
modified: hi_Rodriguez.rb
modified: hi_Rodriguez.rb
modified: will add "and/or "git commit -a")
```

5. Index and commit:

```
MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez —

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

s git add .

nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)

s git commit -m "sixth commit Rodriguez"

[main a98761c] sixth commit Rodriguez

3 files changed, 10 insertions(+), 2 deletions(-)
```

6. Revert the last commit:

```
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)
$ git revert a98761c
[main 1cff969] Revert "sixth commit Rodriguez"
3 files changed, 2 insertions(+), 10 deletions(-)
```

7. Show log:

```
П
 🚸 MINGW64:/c/Users/nahue/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez
nahue@DESKTOP-M352546 MINGW64 <mark>~/Desktop/Team International AQA Bootcamp - Task Git/student_Rodriguez (main)</mark>
$ git log --pretty="%C(Yellow)%h %C(reset)%ad (%C(Green)%cr%C(reset))%x09 %C(Cyan)%an: %C(reset)%s" --date=short -7
.cff969 2023-04-06 (2 minutes ago)
198761c 2023-04-06 (6 minutes ago)
                                          Nahuel Rodriguez: Revert "sixth commit Rodriguez"
                                          Nahuel Rodriguez: sixth commit Rodriguez
        2023-04-06 (51 minutes ago)
2023-04-06 (52 minutes ago)
                                          Nahuel Rodriguez: third commit Rodriguez
                                          Nahuel Rodriguez: second commit Rodriguez
                                          Nahuel Rodriguez: first commit Rodriguez
         2023-04-06 (52 minutes ago)
nahue@DESKTOP-M352546 MINGW64 ~/Desktop/Team International AQA Bootcamp - Task Git/student
$ git log --pretty="%C(Yellow)%h %C(reset)%ad (%C(Green)%cr%C(reset))%x09 %C(Cyan)%an: %C(
                                                      Nahuel Rodriguez: Revert "sixth commit Rodriguez'
.cff969 2023-04-06 (2 minutes ago)
198761c
           2023-04-06 (6 minutes ago)
                                                      Nahuel Rodriguez: sixth commit Rodriguez
           2023-04-06 (51 minutes ago)
                                                      Nahuel Rodriguez: third commit Rodriguez
0f362ec
           2023-04-06 (52 minutes ago)
ec9c4b
                                                      Nahuel Rodriguez: second commit Rodriguez
           2023-04-06 (52 minutes ago)
                                                      Nahuel Rodriguez: first commit Rodriguez
```