Submission Requirements:

Prior to beginning this guided lab, download a copy for yourself and save to your desktop/laptop, Google Drive, or Microsoft OneDrive. Throughout the lab, you will be required to take screenshots of your progress, and insert the screenshots in the designated areas.

After completing the guided lab, submit your copy of the document on Canvas. You will be prompted to complete a file upload. By uploading the document with the required screenshots, the guided lab can be reviewed by the instructor and marked as completed.

Take a screenshot of the report appearing in the test results, and enter the image below.

https://github.com/sbojorquez/repo-lab

Making directory initializing repository and creating new file

```
bojor@MiLaptop MINGW64 ~/Desktop
$ mkdir repo-lab

bojor@MiLaptop MINGW64 ~/Desktop
$ cd repo-lab

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab
$ git init
Initialized empty Git repository in C:/Users/bojor/Desktop/repo-lab/.git/

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ ls -a
./  ../  .git/

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ touch newfile.txt

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$
```

Staging new file and committing

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ touch newfile.txt

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git add .

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   newfile.txt
```

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git commit -m"added new file"
[master (root-commit) b5e8d42] added new file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 newfile.txt
```

Staging changes made to txt file and committing

```
$ git status
On branch master
Your branch is up to date with 'origin/master'.

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:   newfile.txt

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

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git add .

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   newfile.txt


bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git commit -m"added text to file"
[master ad54d17] added text to file
 1 file changed, 1 insertion(+)

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ |
```

Creating new branch and switching to new branch

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git branch my-new-branch

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git switch my-new-branch
Switched to branch 'my-new-branch'

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$
```

File changes staged and committed in new branch

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$ git status
On branch my-new-branch
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:   newfile.txt

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

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$ git add .

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$ git status
On branch my-new-branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   newfile.txt


bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$ git commit -m"add changes in txt file and commit in new branch"
[my-new-branch 93f0bd2] add changes in txt file and commit in new branch
 1 file changed, 3 insertions(+), 1 deletion(-)

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$
```

Switching to main/master, merging branches, deleting new branch

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (my-new-branch)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git merge my-new-branch
Updating ad54d17..93f0bd2
Fast-forward
 newfile.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git branch -d my-new-branch
Deleted branch my-new-branch (was 93f0bd2).

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ |
```

Setting up remote repository

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git remote add origin https://github.com/sbojorquez/repo-lab.git
```

Pushing changes to remote repository github

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git remote
origin

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git commit -m"added new file"
[master (root-commit) b5e8d42] added new file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 newfile.txt

bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git push
fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin master

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.


bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git push --set-upstream origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 225 bytes | 225.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/sbojorquez/repo-lab.git
 * [new branch]      master -> master
```

Pulling cloud changes to local repository

```
bojor@MiLaptop MINGW64 ~/Desktop/repo-lab (master)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 988 bytes | 109.00 KiB/s, done.
From https://github.com/sbojorquez/repo-lab
   93f0bd2..b5dfeb9  master     -> origin/master
Updating 93f0bd2..b5dfeb9
Fast-forward
 newfile.txt | 4 ++++-
 1 file changed, 3 insertions(+), 1 deletion(-)
```