Task - 1
Git & Github

by
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0 : Created a GitHub Repository

1 : Created an empty folder and initialized an empty local repository using the _git init_ command

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance
$ git init
Initialized empty Git repository in C:/Nerd Work/Cognizance/.git/
```

2 : created a new folder "Task-1" using the _mkdir_ command and created a readme markdown file using the _touch_ command.

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ mkdir Task-1
```

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ cd Task-1

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance/Task-1 (master)
$ touch README.md
```

3 : Went back to main folder and staged it for commits.

```
straw@LAPTOP-QL0T52M4 MINGW64 /c/Nerd Work/Cognizance/Task-1 (master)
$ cd -
/c/Nerd Work/Cognizance

straw@LAPTOP-QL0T52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git add -A
```

4 : Checking status of the repo

```
straw@LAPTOP-QL0T52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Task-1/README.md
```

5 : Committing the changes using the *git commit -m "name"* command

```
straw@LAPTOP-QL0T52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git commit -m "Added Task-1/Readme file"
[master (root-commit) d464f74] Added Task-1/Readme file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/README.md
```

6 : Added my GitHub repo as remote repo using the _git remote add origin_ command and pushed the local repo to it using _git push origin master_ command.

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git remote add origin https://github.com/LiteShake/Cognizance.git

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 272 bytes | 272.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/LiteShake/Cognizance.git
 * [new branch]      master -> master
```

7 : Created a new branch using the
git checkout -b new_branch **command and switched to it. Verified the new branch using the** *git branch* **command and created another file in that branch using the** *touch* **command, staged and committed the changes.**

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git branch
  master
* new_branch

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ touch "Task-1/branched.md"

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git add -A

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git status
On branch new_branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Task-1/branched.md
```

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git commit -m "Added new branch"
[new_branch d85f8f9] Added new branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/branched.md

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git checkout master
Switched to branch 'master'
```

8 : Pushing the new branch

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git push origin new_branch
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'new_branch' on GitHub by visiting:
remote:      https://github.com/LiteShake/Cognizance/pull/new/new_branch
remote:
To https://github.com/LiteShake/Cognizance.git
 * [new branch]      new_branch -> new_branch
```

9 : Merging new branch with master and pushing it.

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ got merge new_branch
bash: got: command not found

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git merge new_branch
Updating d464f74..d85f8f9
Fast-forward
 Task-1/branched.md | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/branched.md

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (master)
$ git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 302 bytes | 302.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/LiteShake/Cognizance.git
   d464f74..d85f8f9  master -> master
```

10 : Cloning a repo to an empty folder.

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance/Task-1/New Folder to Clone (master)
$ git clone https://github.com/LiteShake/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 7 (delta 0), reused 7 (delta 0), pack-reused 0
Receiving objects: 100% (7/7), done.
```

11 : *Fetch* and *pull* commands

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git fetch

straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git pull origin master
From https://github.com/LiteShake/Cognizance
 * branch            master      -> FETCH_HEAD
Already up to date.
```

12 : The *rebase* command

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git rebase new_branch
Current branch new_branch is up to date.
```

13 : *git config --list --show-origin*

```
straw@LAPTOP-QLOT52M4 MINGW64 /c/Nerd Work/Cognizance (new_branch)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=true
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/straw/.gitconfig  filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/straw/.gitconfig  filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/straw/.gitconfig  filter.lfs.process=git-lfs filter-process
file:C:/Users/straw/.gitconfig  filter.lfs.required=true
file:C:/Users/straw/.gitconfig  user.name=LiteShake
file:C:/Users/straw/.gitconfig  user.email=strawberryshakelite@gmail.com
file:C:/Users/straw/.gitconfig  core.editor="C:\Users\straw\AppData\Local\Programs\Microsoft VS Code\bin\code" --wait
file:.git/config        core.repositoryformatversion=0
file:.git/config        core.filemode=false
file:.git/config        core.bare=false
file:.git/config        core.logallrefupdates=true
file:.git/config        core.ignorecase=true
file:.git/config        remote.origin.url=https://github.com/LiteShake/Cognizance.git
file:.git/config        remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```