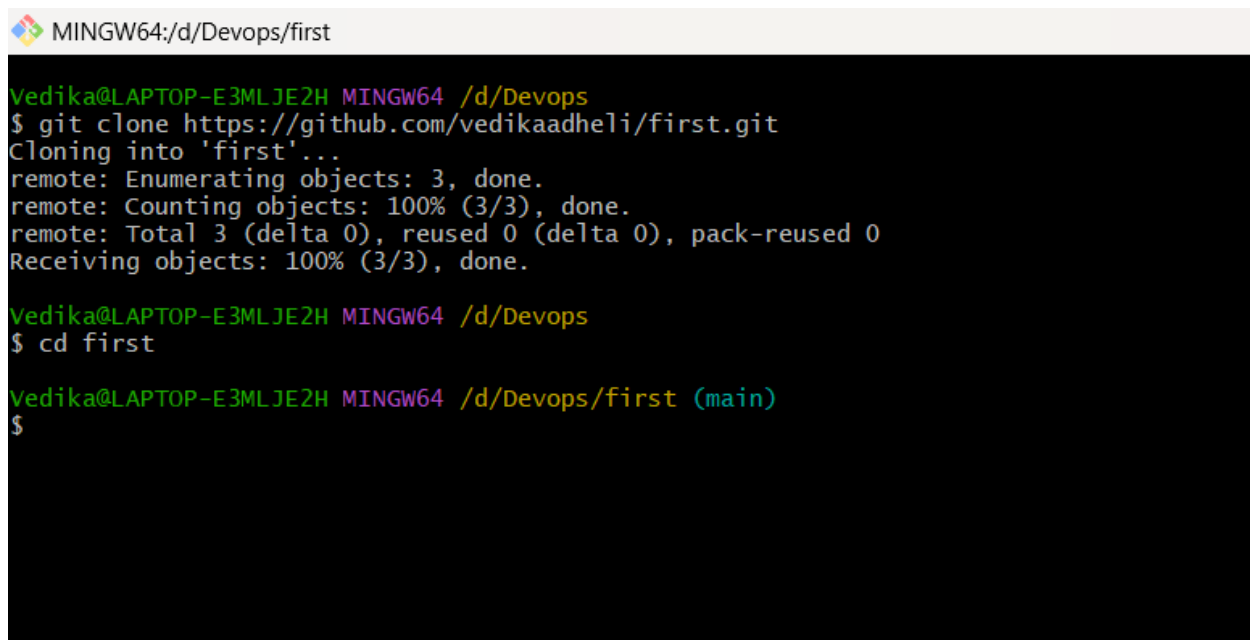
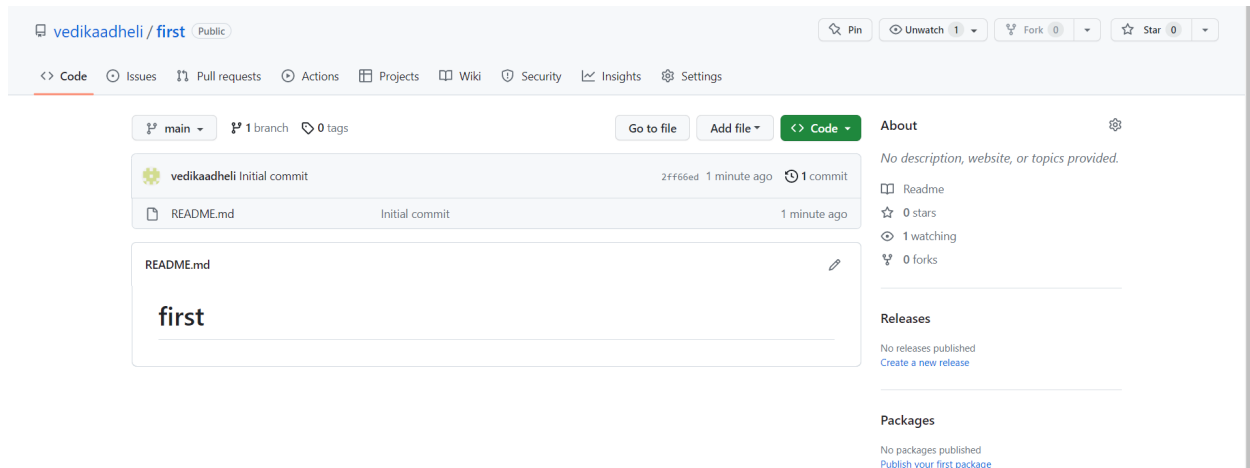


Name : Vedika Adheli
Roll No : 01
Devops Assignment : 01

Create Repository : create a repository with name “first” at remote.

Clone this repository to local. Once the Repo is cloned add two files named t1.txt and t2.txt. To clone the Repository command : `git clone URL`



←

→

⌵

⬆

📁 > This PC > DATA (D:) > Devops > first >

🏠 Home

> ☁ Vedika - Personal

🖥 Desktop

⬇ Downloads

📁 Documents

🖼 Pictures

🎵 Music

📺 Videos

^

Name	Date modified	Type	Size
📁 .git	28-04-2023 10:51 AM	File folder	
📄 README	28-04-2023 10:51 AM	Markdown Source ...	1 KB
📄 t1	28-04-2023 10:52 AM	Text Document	0 KB
📄 t2	28-04-2023 10:52 AM	Text Document	0 KB



Create Branches : Create a new Branch named “new”. Now add two files named “b1.txt” and “b2.txt”. To create a branch the command is git branch or git checkout -b .

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git checkout -b new
Switched to a new branch 'new'

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ |
```

← → ▾ ↑ This PC > DATA (D:) > Devops > first				
Home Vedika - Personal Desktop Downloads Documents Pictures Music	Name	Date modified	Type	Size
	.git	28-04-2023 10:53 AM	File folder	
	b1	28-04-2023 10:53 AM	Text Document	0 KB
	b2	28-04-2023 10:53 AM	Text Document	0 KB
	README	28-04-2023 10:51 AM	Markdown Source ...	1 KB
	t1	28-04-2023 10:52 AM	Text Document	0 KB
	t2	28-04-2023 10:52 AM	Text Document	0 KB

Perform Commit push and pull:

Commit : After creating a file at the local repo you have to add all files to the staging area by using command “ git add .” and now we commit these changes using git commit -m “message”.

Commit performed at new branch :

```
MINGW64:/d/Devops/first
Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git checkout -b new
Switched to a new branch 'new'

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ git add "b1.txt"

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ git commit -m "b1 added"
[new cc1cd12] b1 added
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 b1.txt

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ git add "b2.txt"

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ git commit -m "b2 added"
[new 8578fa6] b2 added
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 b2.txt

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ git log --oneline
8578fa6 (HEAD -> new) b2 added
cc1cd12 b1 added
2ff66ed (origin/main, origin/HEAD, main) Initial commit

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$
```

Commit performed at Main branch :

```
MINGW64:/d/Devops/first
Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (new)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git add "t1.txt"

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git commit -m "t1 added"
[main 2f538cf] t1 added
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t1.txt

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git add "t2.txt"

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git commit -m "t2 added"
[main 20657a7] t2 added
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t2.txt

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git log --oneline
20657a7 (HEAD -> main) t2 added
2f538cf t1 added
2ff66ed (origin/main, origin/HEAD) Initial commit

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ |
```

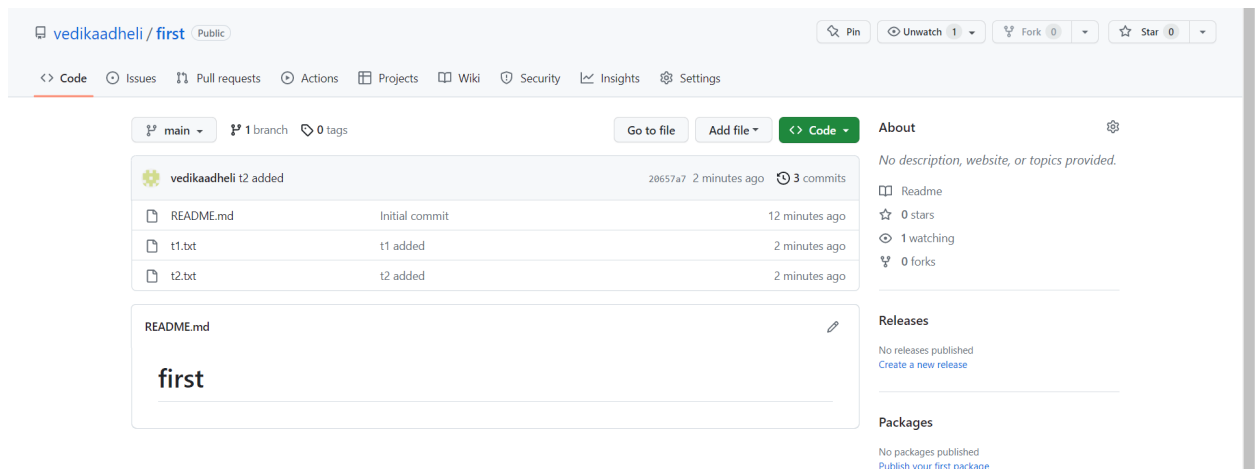
Push : Push is used to push all changes from local repository to remote repository and the command to push all changes is “git push -u origin ”.

Push main branch : git push -u origin main

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git push origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 434 bytes | 434.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/vedikaadheli/first.git
 2ff66ed..20657a7  main -> main

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```



Push new branch : git push -u origin feature

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git push origin -u new
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 433 bytes | 433.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'new' on GitHub by visiting:
remote:   https://github.com/vedikaadheli/first/pull/new/new
remote:
To https://github.com/vedikaadheli/first.git
 * [new branch]      new -> new
branch 'new' set up to track 'origin/new'.

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```

vedikaadheli / first (Public)

Pin

Unwatch 1

Fork 0

Star 0

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

new had recent pushes less than a minute ago

Compare & pull request

main 1 branch 0 tags

Go to file

Add file

<> Code

vedikaadheli t2 added 20657a7 3 minutes ago 3 commits

README.md Initial commit 13 minutes ago

t1.txt t1 added 3 minutes ago

t2.txt t2 added 3 minutes ago

README.md

first

About

No description, website, or topics provided.

Readme

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Pull : create t3.txt at a remote repository in the main branch. Pull command is used to pull all changes from remote repository to local one. The command is “git pull”.

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 644 bytes | 2.00 KiB/s, done.
From https://github.com/vedikaadheli/first
 20657a7..3cae62a  main      -> origin/main
Updating 20657a7..3cae62a
Fast-forward
 t3.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 t3.txt

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ |
```

← → ↕ ↑ > This PC > DATA (D:) > Devops > first >				
Home	^			
	Name	Date modified	Type	Size
> Vedika - Personal	.git	28-04-2023 11:12 AM	File folder	
	README	28-04-2023 10:51 AM	Markdown Source ...	1 KB
	t1	28-04-2023 10:52 AM	Text Document	0 KB
	t2	28-04-2023 10:52 AM	Text Document	0 KB
	t3	28-04-2023 11:12 AM	Text Document	1 KB
Desktop				
Downloads				
Documents				
Pictures				
Music				

Merge and Rebase : Merge : Merge command is used to add one branch file into another branch. To merge two branches the command is git merge . The New branch files will be merged with the main branch.

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git merge new -m "Merging new branch"
Merge made by the 'ort' strategy.
 b1.txt | 0
 b2.txt | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 b1.txt
 create mode 100644 b2.txt

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```

← → ∨ ↑ > This PC > DATA (D:) > Devops > first					
Home Vedika - Personal Desktop Downloads Documents Pictures Music Videos	Name	Date modified	Type	Size	
	.git	28-04-2023 11:13 AM	File folder		
	b1	28-04-2023 11:13 AM	Text Document	0 KB	
	b2	28-04-2023 11:13 AM	Text Document	0 KB	
	README	28-04-2023 10:51 AM	Markdown Source ...	1 KB	
	t1	28-04-2023 10:52 AM	Text Document	0 KB	
	t2	28-04-2023 10:52 AM	Text Document	0 KB	
	t3	28-04-2023 11:12 AM	Text Document	1 KB	

Rebase : Rebase command is used to rebase one branch to the main branch. To Perform this command first switch to the branch which will be rebased and then perform rebase. Command : git rebase main

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git rebase main
Current branch main is up to date.

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git log --oneline
b5d44ee (HEAD -> main) Merging new branch
3cae62a (origin/main, origin/HEAD) Create t3.txt
20657a7 t2 added
2f538cf t1 added
8578fa6 (origin/new, new) b2 added
cc1cd12 b1 added
2ff66ed Initial commit

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```

Squashing : In Git squashing is achieved with a Rebase, of a special form called Interactive Rebase. To "squash" in Git means to combine multiple commits into one. You can do this at any point in time (by using Git's "Interactive Rebase" feature), though it is most often done when merging branches.

```
# This is a combination of 4 commits.
# This is the 1st commit message:
F2 File Added
# This is the commit message #2:
Create F3
# This is the commit message #3:
A1 File Added
# This is the commit message #4:
A2 file Added

Please enter the commit message for your changes. Lines starting
with '#' will be ignored, and an empty message aborts the commit.
Date:      Thu Apr 20 13:30:33 2023 +0530
interactive rebase in progress; onto 7a0f230
Last commands done (4 commands done):
  squash 563909e A1 File Added
  squash 060d724 A2 file Added
No commands remaining.
You are currently rebasing branch 'main' on '7a0f230'.

Changes to be committed:
  new file:   A1.txt
  new file:   A2.txt
  new file:   F2.txt
  new file:   F3

.git/COMMIT_EDITMSG [unix] (15:02 20/04/2023) 1,1 All
```

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git rebase -i HEAD~3
Successfully rebased and updated refs/heads/main.

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```

Delete branch :

git branch -d : This command is used to delete a branch from a local repository.

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git branch -d new
warning: deleting branch 'new' that has been merged to
'refs/remotes/origin/new', but not yet merged to HEAD.
Deleted branch new (was 8578fa6).

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```

git push --delete : This command is used to delete branches from remote.

```
MINGW64:/d/Devops/first

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$ git push --delete origin new
To https://github.com/vedikaadheli/first.git
- [deleted]          new

Vedika@LAPTOP-E3MLJE2H MINGW64 /d/Devops/first (main)
$
```