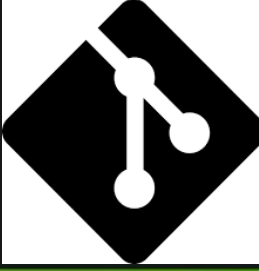


Git starting manual: by Ali Mehdipour



First of all you should download git from the link below :

[Git - Downloads \(git-scm.com\)](https://git-scm.com/downloads)

Downloads



macOS



Windows



Linux/Unix

Older releases are available and the Git source repository is on GitHub.

Latest source Release

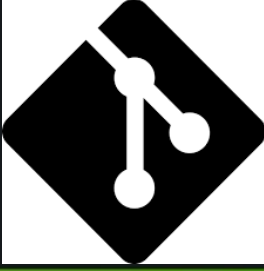
2.31.1

[Release Notes](#) (2021-03-26)

Download 2.31.1 for Windows

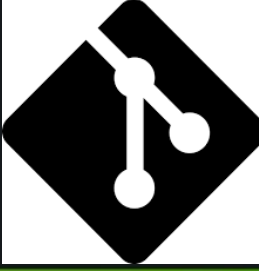


Start installing git after download



Based on your operating system , download the last version of git and try to install on your device.

3-Git bash and checking version



1



Open git bash

2

```
Alime@DESKTOP-DA8EMD0 MINGW64 ~ (master)
$ git --version|
```

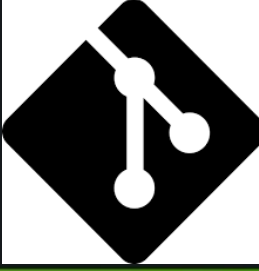
Use **git --version** in git bash

3

```
Alime@DESKTOP-DA8EMD0 MINGW64 ~ (master)
$ git --version
git version 2.31.1.windows.1
```

The output should be this.

Start Create a Repository on GitHub



- 1-Sign up on GitHub and login in your account.
- 2-Create a new Repository on GitHub.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner *

Repository name *

Mehdi pour9721162221

 /

DataStructure

Great repository names are short and memorable. Need inspiration? How about [fuzzy-telegram](#)?

Description (optional)

This is a test Repository For DS Class.

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ Add a README file

This is where you can write a long description for your project. [Learn more.](#)

☐ Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

☐ Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

Create repository

Quick setup — if you've done this kind of thing before

Set up in Desktop

 or

HTTPS

SSH

<https://github.com/Mehdi pour9721162221/DataStructure.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

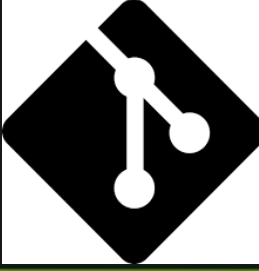
...or create a new repository on the command line

```
echo "# DataStructure" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/Mehdi pour9721162221/DataStructure.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/Mehdi pour9721162221/DataStructure.git
git branch -M main
git push -u origin main
```

Global Setting For Git.



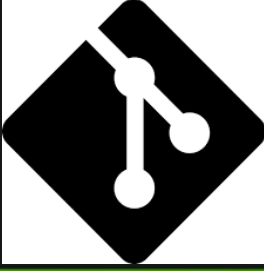
1-use git config --global user.name "YOUR GITHUB-USERNAME"

2-use git config --global user.email "YOUR GITHUB-EMAIL"

```
Alime@DESKTOP-DA8EMD0 MINGW64 ~ (master)
$ git config --global user.name"Mehdipour9721162221"

Alime@DESKTOP-DA8EMD0 MINGW64 ~ (master)
$ git config --global user.email"mehdipour.ali.9721162221@gmail.com"
```

CLONE GitHub repository on your device



1-Copy your GitHub repository https .

For example → <https://github.com/Mehdipour9721162221/DataStructure.git>

2-Open git-bash and with this command specify the destination for your repository on your local machine .

→ cd Destination Folder	=>	cd F:
→ mkdir Make-Destination	=>	mkdir Datastructure
→ cd Your Directory	=>	cd Datastructure

```
Alime@DESKTOP-DA8EMD0 MINGW64 ~/F:Datastructure/Datastructure (master)
$ cd F:

Alime@DESKTOP-DA8EMD0 MINGW64 /f
$ mkdir Datastructure

Alime@DESKTOP-DA8EMD0 MINGW64 /f
$ cd Datastructure
```

CLONE GitHub repository on your device



3-Now , you can clone GitHub repository into your destination .

→ `git clone` HTTPs Link

→ `git clone https://github.com/Mehdipour9721162221/DataStructure.git`

```
A1ime@DESKTOP-DA8EMD0 MINGW64 ~/F:Datastructure (master)
$ git clone https://github.com/Mehdipour9721162221/DataStructure.git
Cloning into 'DataStructure'...
warning: You appear to have cloned an empty repository.
```

4-In this step you should open Folder of Repository:

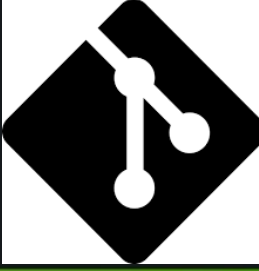
→ `cd` Repository name

→ `cd Datastructure`

```
A1ime@DESKTOP-DA8EMD0 MINGW64 ~/F:Datastructure (master)
$ cd Datastructure

A1ime@DESKTOP-DA8EMD0 MINGW64 ~/F:Datastructure/Datastructure (master)
$ |
```

Adding Some Files





1-Now you can work with your repository . Its time to set your remote.

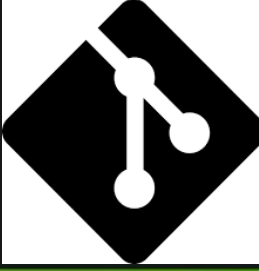
➔ git remote -v

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git remote -v
origin  https://github.com/Mehdipour9721162221/DataStructure.git (fetch)
origin  https://github.com/Mehdipour9721162221/DataStructure.git (push)
```

2-Everything is set! Time to start working .For example add a README.txt To the repository .

 .git	4/14/2021 10:40 AM	File folder	
 README.txt	4/14/2021 10:39 AM	Text Document	0 KB

Adding Some Files



3-with this command check git staged or unstaged files:

→ git status

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        README.txt

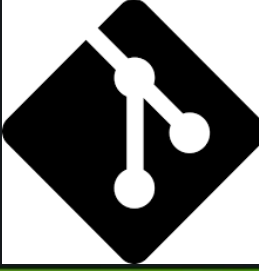
nothing added to commit but untracked files present (use "git add" to track)
```

4-As you saw I have an Untracked file In repository . Time to stage it:

→git add README.txt

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git add README.txt
```

Adding Some Files



5-File added(staged) Check it once again with git status command:

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git status
On branch master

No commits yet

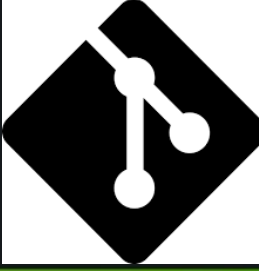
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   README.txt
```

6-As you see ,this file added to my stage .it means that this file is ready to commit .

→git commit -m"I Added README.txt File."

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git commit -m"I Added README.txt File."
[master (root-commit) f961066] I Added README.txt File.
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 README.txt
```

Push File to Origin



7-Now we can Push our changes on GitHub Server Repository(Origin):

→git push origin master

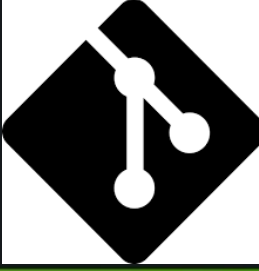
→(or) git push -u origin master

```
Aline@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 237 bytes | 237.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Mehdipour9721162221/DataStructure.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

8-WELL DONE ! Its time to check github :

The screenshot shows the GitHub interface for the repository 'MehdiPour9721162221/DataStructure.git'. At the top, there are buttons for 'Go to file', 'Add file', and 'Code'. Below this, a commit message is displayed: 'Mehdipour9721162221 | Added README.txt File.' with a commit hash 'f961066' and a timestamp '4 minutes ago'. Below the commit message, there is a file named 'README.txt' with a timestamp '4 minutes ago'.

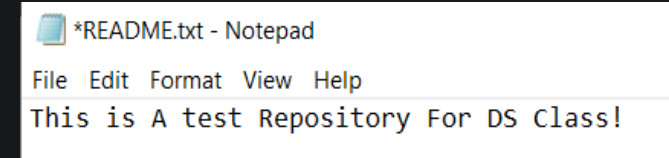
modify README.txt



1-Its time to add some text in README file and push it again!

2-Check git status!

```
git status
modified:   README.txt
```



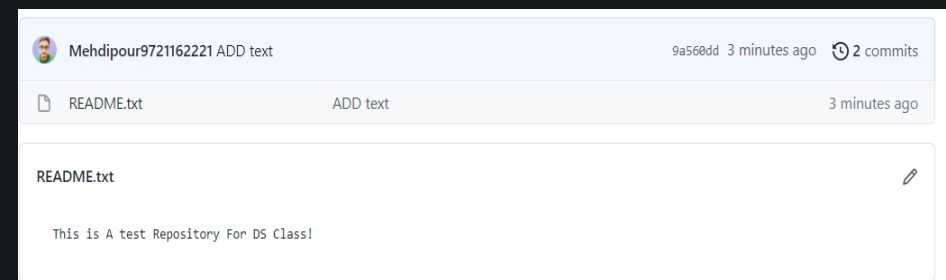
3-commit it directly!(jump from staging(add) part)

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ git commit -am"ADD text"
[master 9a560dd] ADD text
1 file changed, 1 insertion(+)
```

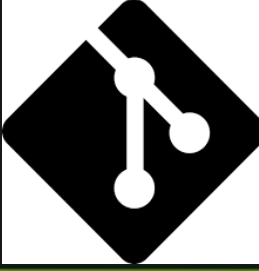
4-Push on Github server again.

```
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 290 bytes | 290.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Mehdipour9721162221/DataStructure.git
f961066..9a560dd master -> master
```

5-Perfect! Check GitHub Repository.



Add Some Folders to Repository



Name	Date modified	Type	Size
.git	4/14/2021 11:02 AM	File folder	
Mehdipour	4/14/2021 11:01 AM	File folder	
Mehdipour2	4/14/2021 11:01 AM	File folder	
Mehdipour3	4/14/2021 11:01 AM	File folder	
README.txt	4/14/2021 10:54 AM	Text Document	1 KB

1-Add Folders

Name	Date modified	Type	Size
ali.cpp	4/14/2021 11:04 AM	C++ Source	1 KB

2-Add some files

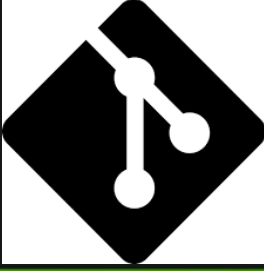
```
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Mehdi pour/

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

3-Check git status

Add Some Folders to Repository



```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure (master)
$ cd Mehdi pour
```

4-open folder that have changes.

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdi pour (master)
$ git add ali.cpp
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdi pour (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.
```

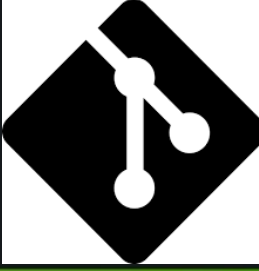
5-stage file and check status again

```
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   ali.cpp
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdi pour (master)
$ git commit -m "New File And Folders Added"
[master 86e738d] New File And Folders Added
 1 file changed, 5 insertions(+)
 create mode 100644 Mehdi pour/ali.cpp
```

6-commit changes!

Add Some Folders to Repository



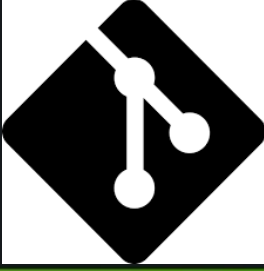
```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdipour (master)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 427 bytes | 427.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Mehdipour9721162221/DataStructure.git
9a560dd..86e738d master -> master
```

7-Push it Finally into Server.

The screenshot shows the GitHub interface for a repository named 'DataStructure' by user 'Mehdipour9721162221'. The top bar shows the 'master' branch with 1 branch and 0 tags. Below this, a commit history table lists two commits. The first commit, 'New File And Folders Added' (86e738d, 3 minutes ago), shows files 'Mehdipour' and 'README.txt'. The second commit, 'ADD text' (17 minutes ago), shows 'README.txt'. Below the table, the content of 'README.txt' is displayed: 'This is A test Repository For DS Class!'. The bottom section shows the file 'ali.cpp' (2 minutes ago) with the message 'New File And Folders Added'.

8-WellDone!Worked Perfectly

Create New BRANCH

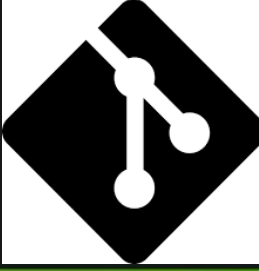


To create new branch we can separate our main workflow from every unique part of the project . It is better to have a Development branch for class repository.

- git **branch** NEW branch name
- git **branch**
- git **checkout** branch name
- git **merge** second branch name
- git **switch** branch name
- git **branch -d** branch name
- git **push origin --delete** branch name

- Make new branch
- Show All branches list
- Switch between branches
- Merge two branch
- Switch between branches
- delete a local branch
- delete a remote branch

Make Development Branch



```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdipour (master)
$ git branch
* master
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdipour (master)
$ git branch Development
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdipour (master)
$ git branch
Development
* master
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/Datastructure/Datastructure/Mehdipour (master)
$ git switch Development
Switched to branch 'Development'
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (Development)
$ git status
On branch Development
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    License.txt

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

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (Development)
$ git add License.txt
```

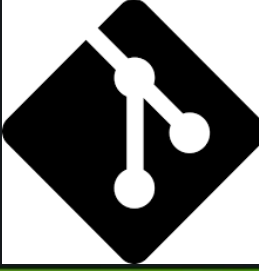
```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (Development)
$ git commit -m"Add License file in Development Branch"
[Development 3162639] Add License file in Development Branch
1 file changed, 1 insertion(+)
create mode 100644 License.txt
```

```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (Development)
$ git push origin Development
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 365 bytes | 365.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Development' on GitHub by visiting:
remote:   https://github.com/Mehdipour9721162221/DataStructure/pull/new/Development
remote:
To https://github.com/Mehdipour9721162221/DataStructure.git
 * [new branch]      Development -> Development
```

Make development branch.

Make License file in development branch and push to origin

Make Development Branch



master

2 branches

0 tags

Go to file

Add file

Code

Mehdipour9721162221

New File And Folders Added

86e738d 20 minutes ago

3 commits

Mehdipour

New File And Folders Added

20 minutes ago

README.txt

ADD text

34 minutes ago

README.txt

This is A test Repository For DS Class!

Development

2 branches

0 tags

Go to file

Add file

Code

This branch is 1 commit ahead of master.

Pull request

Compare

Mehdipour9721162221

Add License file in Development Branch

3162639 3 minutes ago

4 commits

Mehdipour

New File And Folders Added

20 minutes ago

License.txt

Add License file in Development Branch

3 minutes ago

README.txt

ADD text

35 minutes ago

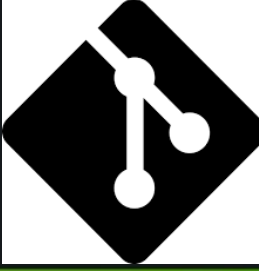
README.txt

This is A test Repository For DS Class!

As you see , we have 2 branches .

Development branch with new file

Time to merge




```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (Development)
$ git switch master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (master)
$ git merge development
Updating 86e738d..3162639
Fast-forward
 License.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 License.txt
```

Switch to the master and
merge it with development

🔗 master ▾ 🔗 2 branches 🏷️ 0 tags Go to file Add file ▾ 📄 Code ▾

 Mehdipour9721162221 Add License file in Development Branch 3162639 9 minutes ago ⌚ 4 commits

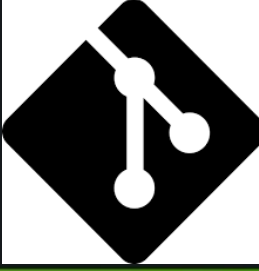
📁 Mehdi pour	New File And Folders Added	26 minutes ago
📄 License.txt	Add License file in Development Branch	9 minutes ago
📄 README.txt	ADD text	40 minutes ago

README.txt

This is A test Repository For DS Class!

Now ,master branch has
Lincense.txt. it seems worked!

Delete the branch



```
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (master)
$ git push origin --delete development
Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (master)
$ git branch -d development
Deleted branch development (was 3162639).

Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (master)
$ git branch
* master

Alime@DESKTOP-DA8EMD0 MINGW64 /f/DataStructure/Datastructure (master)
$ git push
Everything up-to-date
```

Delete development branch on origin.

Delete development branch on local.

 master ▾  1 branch  0 tags



Mehdipour9721162221 a



Mehdipour

New File And Folders Added



License.txt

a

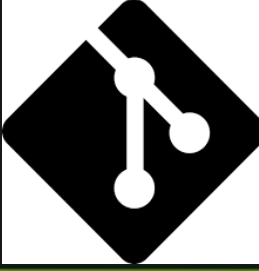


README.txt

ADD text

Branch Deleted on origin .

Fork Project on GitHub



🖨 Mehdi pour9721162221 / DataStructure

👁 Watch 1 ⭐ Star 0 🍴 Fork 0

<> Code ! Issues 🔄 Pull requests 🎬 Actions 📁 Projects 📖 Wiki 🛡 Security 📊 Insights

🔑 master 1 branch 0 tags

Go to file Add file Code

Mehdi pour9721162221 a cc1e9c6 14 minutes ago ⌚ 5 commits

📁 Mehdi pour	New File And Folders Added	44 minutes ago
📄 License.txt	a	14 minutes ago
📄 README.txt	ADD text	1 hour ago

README.txt

This is A test Repository For DS Class!

About

This is a test Repository For DS Class.

📖 Readme

📜 View license

Releases

No releases published

Packages

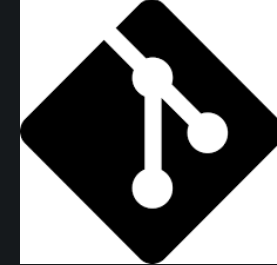
No packages published

Languages

● C++ 100.0%

I Forked My repository with another account .

Fork Project on GitHub



Search or jump to...



[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)



[AliMehdipour / DataStructure](#)

forked from [Mehdipour9721162221/DataStructure](#)

i have a repository with same name in my second account , because i forked it for myself

Watch 0

Star 0

Fork 1

This sentence notice me that where i forked the project

[Code](#)

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

master

1 branch

0 tags

[Go to file](#)

[Add file](#)

Code

About



This is a test Repository For DS Class.

Readme

View license

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

C++ 100.0%

This branch is even with Mehdi pour9721162221:master.

Pull request

Compare

This statement tell me that master's branch in my forked repository is quite same with master's branch of original project that i forked from it.



Mehdipour9721162221 a

cc1e9c6 18 minutes ago 5 commits

Mehdi pour

New File And Folders Added

1 hour ago

License.txt

a

18 minutes ago

README.txt

ADD text

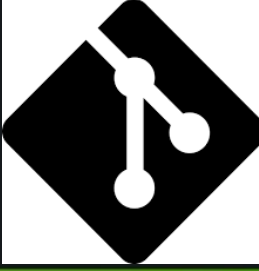
1 hour ago

README.txt



This is A test Repository For DS Class!

Fork Project on GitHub



Now lets change something in my second account repository .(Forked repository)

AliMehdipour / DataStructure

forked from MehdiPour9721162221/DataStructure

Watch 0 Star 0 Fork 1

Code Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags

Go to file

Add file

Code

This branch is 1 commit ahead of MehdiPour9721162221:master.

Pull request Compare



AliMehdipour Change with Forked

183574d 13 seconds ago 6 commits

Mehdipour	New File And Folders Added	1 hour ago
License.txt	a	32 minutes ago
README.txt	Change with Forked	13 seconds ago

README.txt

This is A test Repository For DS Class!

This README.txt Changed With my forked repository in second account. I Added one line to README.txt file in my Forked Repository.

About

This is a test Repository For DS Class.

Readme

View license

Releases

No releases published

[Create a new release](#)

Packages

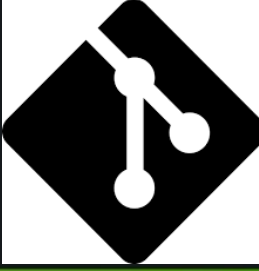
No packages published

[Publish your first package](#)

Languages

C++ 100.0%

Fork Project on GitHub



Now Time to send PULL-REQUEST For Original Repository to updates itself with my changes.

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

[Send pull request PAGE](#)

Base Repository
base repository: MehdiPour9721162221/DataStr... ▾

Base Branch
base: master ▾

←

Forked Repository
head repository: AliMehdipour/DataStructure ▾

Forked Branch
compare: master ▾

✓ **Able to merge.** These branches can be automatically merged.

GitHub automatically checks that can we merge Forked Repository With Base Repository or not .

Discuss and review the changes in this comparison with others. [Learn about pull requests](#)

Create pull request

1 commit

1 file changed

0 comments

1 contributor

Commits on Apr 14, 2021

Change with Forked

Verified 183574d

Showing 1 changed file with 2 additions and 1 deletion.

3 README.txt

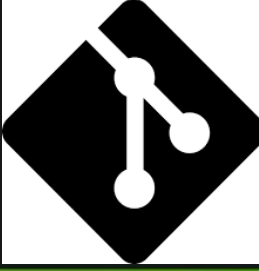
@@ -1 +1,2 @@

1 - This is A test Repository For DS Class!

1 + This is A test Repository For DS Class!


2 + This README.txt Changed With my forked repository in second account.

Fork Project on GitHub



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

 base repository: MehdiPour9721162221/DataStr... base: master ← head repository: AliMehdiPour/DataStructure compare: master


✓ **Able to merge.** These branches can be automatically merged.



New Changes

Write

Preview

H B I       @   ↩

Hello Dear Ali , Please Update My Changes.

Attach files by dragging & dropping, selecting or pasting them.



☒ Allow edits by maintainers 


Create pull request

Helpful resources

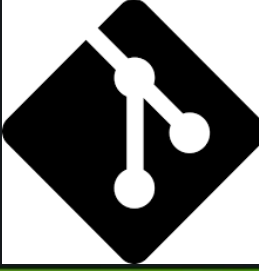
[GitHub Community Guidelines](#)

I Write a pull request for owner of the Repository and tell him what is change .

Finally, Send My Request.

 Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Fork Project on GitHub



Lets take a look at Base Repository in my First Account . We have a new pull request!

 MehdiPour9721162221 / DataStructure

<> Code

! Issues

 Pull requests 1

▶ Actions

📁 Projects

📖 Wiki


🛡 Security

📈 Insights

⚙ Settings

Filters ▾

🔍 is:pr is:open

 Labels 9

 Milestones 0

New pull request

☐  1 Open ✓ 0 Closed

Author ▾

Label ▾

Projects ▾

Milestones ▾

Reviews ▾

Assignee ▾

Sort ▾

☐  New Changes

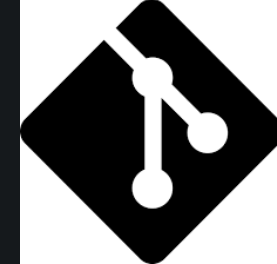
#1 opened 6 minutes ago by AliMehdipour



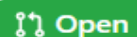
It seems I have a new pull request.i will open it and take a look at what is changed.

💡 ProTip! Filter pull requests by the default branch with `base:master`.

Fork Project on GitHub



New Changes #1



AliMehdipour wants to merge 1 commit into `Mehdipour9721162221:master` from `AliMehdipour:master`

Conversation **0**

Commits **1**

Checks **0**

Files changed **1**



AliMehdipour commented 9 minutes ago

First-time contributor



Hello Dear Ali , Please Update My Changes. **Message from sender**

Change with Forked

Verified

183574d

Add more commits by pushing to the `master` branch on `AliMehdipour/DataStructure`.



Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.



This branch has no conflicts with the base branch

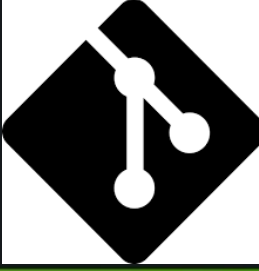
Merging can be performed automatically.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Fork Project on GitHub



After I accepted changes and check every change , its time to accept pull request and merge with my base project

Mehdipour9721162221 / DataStructure

Unwatch 1 Star 0 Fork 1

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags

last commit =>(Merging)

Go to file Add file Code

Mehdipour9721162221 Merge pull request #1 from AliMehdipour/master fe9bec5 25 seconds ago 7 commits

Mehdipour	New File And Folders Added	2 hours ago
License.txt	a	1 hour ago
README.txt	Change with Forked	28 minutes ago

README.txt

This is A test Repository For DS Class!
This README.txt Changed With my forked repository in second account.

Now , i have Forked account changes in my Repository

People who contributed to developing this repository

Contributors 2

Mehdipour9721162221 Mehdi... AliMehdipour

About

This is a test Repository For DS Class.

Readme View license

Releases

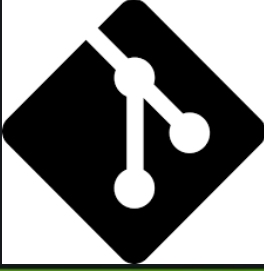
No releases published Create a new release

Packages

No packages published Publish your first package

Languages

Forking GIT in BASH(Terminal)



1-Fork a Repository in GitHub.

2-Clone Forked Repository into Local Machine.

3-Configure Your Forked Project (Origin Configuring) => git remote -v

4-Configure Remote For Base Repository Syncing => git remote add upstream (base rep HTTPs)

5- Do => git remote -v

Now, you can keep your fork synced with the upstream repository with a few Git commands.

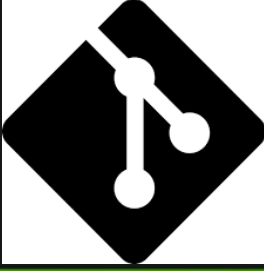
→git fetch upstream master

6-Work With Forked Repository (Make our changes)

7-Push changes to origin (Forked origin Repository)

8-Go to GitHub and Send your Pull Request to Base Repository.

APPENDIX



Some useful git commands:

- git log
- git reset file name
- git restore file name
- git revert commit code
- git init Repository name
- git remote add origin remote-URL
- git remote rm Remote Repository name
- git diff
- git bisect start
- git bisect bad commit number
- git bisect good commit number
- git bisect reset
- Show List Of ALL Commits
- Unstage an added(staged) file
- Recover a deleted File
- Undo a commit
- Create a local git Repository
- connect local repository to remote
- disconnect a remote Repository
- To list down all the present conflicts
- start binary search commit
- bad state commit number
- healthy state commit number
- end of binary search commit