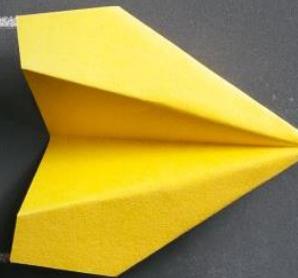


TASK-1

Cognizance club



Added a folder with a simple readme file

```
MINGW64/c/Users/Abhay/Desktop/Abhay

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay
$ git init
Initialized empty Git repository in C:/Users/Abhay/Desktop/Abhay/.git/

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    AOT.png
    Assorted memes/
    College/
    HD-wallpaper-luffy-one-piece.jpg
    ID and imp stuff/
    JOJO NO KIMYOU NA BOUKEN/
    MOVIES/
    Task-1/
    download.jpg
    lab rec/
    python-3.10.1-amd64.exe

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

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
$ git add Task-1/

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (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.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    AOT.png
    Assorted memes/
    College/
    HD-wallpaper-luffy-one-piece.jpg
    ID and imp stuff/
    JOJO NO KIMYOU NA BOUKEN/
    MOVIES/
    download.jpg
    lab rec/
    python-3.10.1-amd64.exe

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
$
```

Pushing Task-1 with README

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ git commit -m "Task Folder"
```

```
[master (root-commit) 529a0f2] Task Folder
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 Task-1/README.txt
```

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ git remote add origin https://github.com/AbhayNanduri/Cognizance.git
```

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ git push origin master
```

```
Enumerating objects: 4, done.
```

```
Counting objects: 100% (4/4), done.
```

```
Writing objects: 100% (4/4), 299 bytes | 299.00 KiB/s, done.
```

```
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
To https://github.com/AbhayNanduri/Cognizance.git
```

```
* [new branch]      master -> master
```

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ |
```

Branching

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ touch test.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ git status
On branch Branch1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    AOT.png
    Assorted memes/
    College/
    HD-wallpaper-luffy-one-piece.jpg
    ID and imp stuff/
    JOJO NO KIMYOU NA BOUKEN/
    MOVIES/
    download.jpg
    lab rec/
    python-3.10.1-amd64.exe
    test.txt

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

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ touch Task-1/test1.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ status
bash: status: command not found

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ git status
On branch Branch1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    AOT.png
    Assorted memes/
    College/
    HD-wallpaper-luffy-one-piece.jpg
    ID and imp stuff/
    JOJO NO KIMYOU NA BOUKEN/
    MOVIES/
    Task-1/test1.txt
    download.jpg
    lab rec/
    python-3.10.1-amd64.exe
    test.txt

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

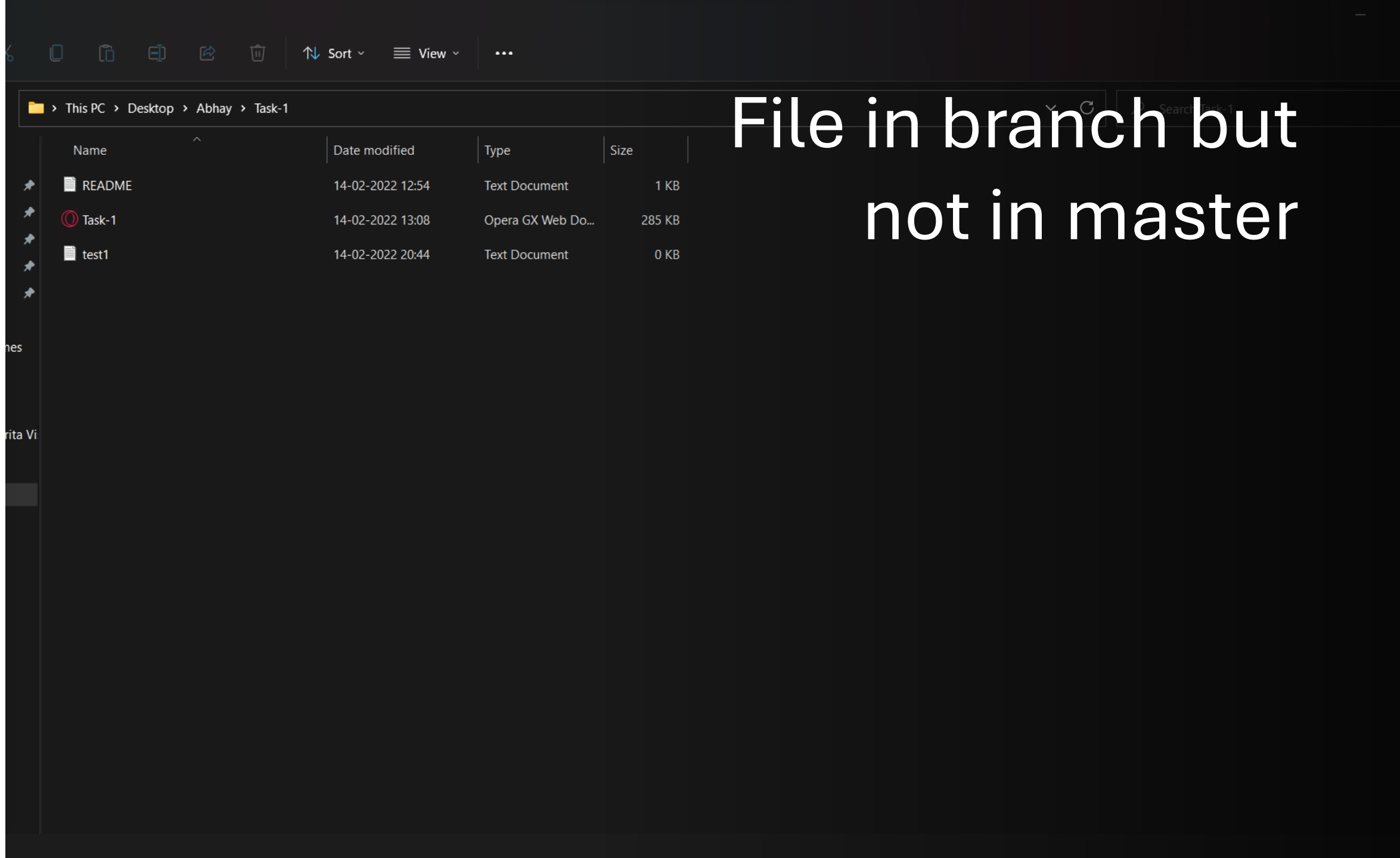
Adding a file to branch

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ git add Task-1/test1.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ git status
On branch Branch1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   Task-1/test1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    AOT.png
    Assorted memes/
    College/
    HD-wallpaper-luffy-one-piece.jpg
    ID and imp stuff/
    JOJO NO KIMYOU NA BOUKEN/
    MOVIES/
    download.jpg
    lab rec/
    python-3.10.1-amd64.exe
    test.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$
```



File in branch but
not in master

> This PC > Desktop > Abhay > Task-1

Name	Date modified	Type	Size
README	14-02-2022 12:54	Text Document	1 KB
Task-1	14-02-2022 13:08	Opera GX Web Do...	285 KB
test1	14-02-2022 20:44	Text Document	0 KB

Committed test1.txt

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
```

```
$ git commit -m "Added test1.txt"
```

```
[Branch1 7aa1a97] Added test1.txt
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
create mode 100644 Task-1/test1.txt
```

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
```

```
$ git push -u origin Branch1
```

```
Enumerating objects: 6, done.
```

```
Counting objects: 100% (6/6), done.
```

```
Delta compression using up to 12 threads
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (4/4), 371 bytes | 371.00 KiB/s, done.
```

```
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
remote:
```

```
remote: Create a pull request for 'Branch1' on GitHub by visiting:
```

```
remote:      https://github.com/AbhayNanduri/Cognizance/pull/new/Branch1
```

```
remote:
```


```
To https://github.com/AbhayNanduri/Cognizance.git
```

```
* [new branch]      Branch1 -> Branch1
```




```
branch 'Branch1' set up to track 'origin/Branch1'.
```

Branch available in remote repo after push

This branch is 1 commit ahead of master. [Contribute](#)

 **AbhayNanduri** Added test1.txt 7aa1a97 3 minutes ago [History](#)

..

 README.txt	Task Folder	8 hours ago
 Task-1.pdf	Task-1 pdf	8 hours ago
 test1.txt	Added test1.txt	3 minutes ago

Switched to master

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (Branch1)
$ git checkout master
Switched to branch 'master'

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
$
```

Merging the Branch1 with master

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ git merge Branch1
```

```
Updating ac30187..7aa1a97
```

```
Fast-forward
```

```
Task-1/test1.txt | 0
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
create mode 100644 Task-1/test1.txt
```

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ git push -u origin master
```

```
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
To https://github.com/AbhayNanduri/Cognizance.git
```

```
ac30187..7aa1a97 master -> master
```


```
branch 'master' set up to track 'origin/master'.
```

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```




```
$
```


Merge successful

This branch is up to date with master. [Contribute](#)

 **AbhayNanduri** Added test1.txt 7aa1a97 8 minutes ago [History](#)

..

 README.txt	Task Folder	8 hours ago
 Task-1.pdf	Task-1 pdf	8 hours ago
 test1.txt	Added test1.txt	8 minutes ago

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone
$ git clone https://github.com/AbhayNanduri/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 12 (delta 2), reused 10 (delta 0), pack-reused 0
Receiving objects: 100% (12/12), 264.33 KiB | 884.00 KiB/s, done.
Resolving deltas: 100% (2/2), done.

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone
$ cd Cognizance

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ |
```

Cloning for more experimentation

Clone created in Cognizance
clone folder

Fetching test.txt from remote repo to clone repo

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ git fetch
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 275 bytes | 91.00 KiB/s, done.
From https://github.com/AbhayNanduri/Cognizance
   7aa1a97..2dd3be2  master    -> origin/master

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ git merge
Updating 7aa1a97..2dd3be2
Fast-forward
 test.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ |
```

Git pull: Git pull is basically git fetch, but it automatically merges the files.

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ git pull
Already up to date.

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ |
```

Commit -a

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ touch test2.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ git commit -a
[master f1686ba] git commit -m "Commit"
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 test.txt
```

Checkout-b and rebase

```
fatal: pathspec 'test2.txt' did not match any files

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ git checkout -b "Branch"
Switched to a new branch 'Branch'

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (Branch)
$ touch emotionaldamage.txt

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (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)

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$ git rebase Branch
Current branch master is up to date.

Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Cognizance clone/Cognizance (master)
$
```

Forking: Allows to create a copy of someone else repository in my profile

For this, I asked my friend Kaif to give the link of his repository

The screenshot shows a web browser window with multiple tabs. The active tab is 'I-kaif-I/Cognizance'. The browser address bar shows 'github.com/I-kaif-I/Cognizance'. The GitHub interface is in dark mode. The repository name 'I-kaif-I / Cognizance' is displayed with a 'Public' badge. Below the name are buttons for 'Watch' (1), 'Fork' (0), and 'Star' (0). A navigation bar includes links for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', and 'Insights'. The 'Code' tab is selected, showing a file list with columns for file name, version, and commit time. The file list includes 'Task1' (version 1.0, committed 2 hours ago) and 'ruby-hello-world' (version Cloning and Pushing, committed 1 hour ago). On the right side, the 'About' section states 'No description, website, or topics provided.' and shows '0 stars', '1 watching', and '0 forks'. Below this, the 'Releases' section says 'No releases published' and the 'Packages' section says 'No packages published'. The footer of the page includes the GitHub logo, copyright notice '© 2022 GitHub, Inc.', and various links like 'Terms', 'Privacy', 'Security', 'Status', 'Docs', 'Contact GitHub', 'Pricing', 'API', 'Training', 'Blog', and 'About'.

Task-1.pdf

Cognizance/Task-1 at mast

to to remove a file safely fr

Git & GitHub Tutorial for B

I-kaif-I/Cognizance

github.com/I-kaif-I/Cognizance

Search or jump to...

Pull requests Issues Marketplace Explore

I-kaif-I / Cognizance Public

Watch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights

master 2 branches 0 tags

Go to file Add file Code

About

No description, website, or topics provided.

0 stars

1 watching

0 forks

Releases

No releases published

Packages

No packages published

I-kaif-I Cloning and Pushing a6b264d 1 hour ago 2 commits

Task1	1.0	2 hours ago
ruby-hello-world	Cloning and Pushing	1 hour ago

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After forking

The screenshot shows the GitHub web interface for a repository named 'Cognizance-1' by user 'AbhayNanduri'. The repository is a fork of 'I-kaif-I/Cognizance'. The interface includes a top navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Below the repository name, there are buttons for Pin, Watch (0), Fork (1), and Star (0). The main content area shows the 'master' branch selected, with 2 branches and 0 tags. A message states 'This branch is up to date with I-kaif-I:master.' and provides options to 'Contribute' or 'Fetch upstream'. A list of files is displayed, including 'Task1' (1.0, 2 hours ago) and 'ruby-hello-world' (Cloning and Pushing, 1 hour ago). A prominent blue box encourages adding a README. The right sidebar contains sections for 'About' (no description), 'Releases' (no releases published), and 'Packages' (no packages published). The footer shows the GitHub logo, copyright notice for 2022, and various links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

github.com/AbhayNanduri/Cognizance-1

Search or jump to... / Pull requests Issues Marketplace Explore

AbhayNanduri / Cognizance-1 Public

forked from I-kaif-I/Cognizance

<> Code Pull requests Actions Projects Wiki Security Insights Settings

master 2 branches 0 tags

Go to file Add file Code

This branch is up to date with I-kaif-I:master. Contribute Fetch upstream

I-kaif-I Cloning and Pushing a6b264d 1 hour ago 2 commits

Task1	1.0	2 hours ago
ruby-hello-world	Cloning and Pushing	1 hour ago

Help people interested in this repository understand your project by adding a README. Add a README

About

No description, website, or topics provided.

0 stars

0 watching

1 fork

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

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P.S.: all the test files are removed so that I can submit a clean repository

Main Task (use git config --list --show-)

```
Abhay@LAPTOP-F1DM22NO MINGW64 ~/Desktop/Abhay (master)
```

```
$ git config --list --show-
```

```
error: ambiguous option: show- (could be --show-origin or --show-scope)
```

```
usage: git config [<options>]
```

Config file location

--global	use global config file
--system	use system config file
--local	use repository config file
--worktree	use per-worktree config file
-f, --file <file>	use given config file
--blob <blob-id>	read config from given blob object

Action

--get	get value: name [value-pattern]
--get-all	get all values: key [value-pattern]
--get-regexp	get values for regexp: name-regex [value-pattern]
--get-urlmatch	get value specific for the URL: section[.var] URL
--replace-all	replace all matching variables: name value [value-pattern]
--add	add a new variable: name value
--unset	remove a variable: name [value-pattern]
--unset-all	remove all matches: name [value-pattern]
--rename-section	rename section: old-name new-name
--remove-section	remove a section: name
-l, --list	list all
--fixed-value	use string equality when comparing values to 'value-pattern'
-e, --edit	open an editor
--get-color	find the color configured: slot [default]
--get-colorbool	find the color setting: slot [stdout-is-tty]

Type

-t, --type <>	value is given this type
--bool	value is "true" or "false"
--int	value is decimal number
--bool-or-int	value is --bool or --int
--bool-or-str	value is --bool or string
--path	value is a path (file or directory name)
--expiry-date	value is an expiry date

Other

-z, --null	terminate values with NUL byte
--name-only	show variable names only
--includes	respect include directives on lookup
--show-origin	show origin of config (file, standard input, blob, command line)
--show-scope	show scope of config (worktree, local, global, system, command)
--default <value>	with --get, use default value when missing entry