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# COGNIZANCE TASK-1

## Creating a repository

```
MINGW64~/c/Users/svsiv/documents/cognizance
svsiv@DESKTOP-3PNGIV3 MINGW64 ~
$ cd documents

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents
$ mkdir cognizance

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents
$ cd cognizance

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance
$ git init
Initialized empty Git repository in C:/Users/svsiv/Documents/cognizance/.git/
```

## GIT BASIC COMMANDS:

### Git add

```
MINGW64~/c/Users/svsiv/documents/cognizance
svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ git add Task-1

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ !
```

### Git status

```
MINGW64~/c/Users/svsiv/documents/cognizance
svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ touch Task-1

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/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

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ git add Task-1

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/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
```

# Git commit

```
svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ git commit -m"money heist"
[master (root-commit) 6b4e5b5] money heist
1 file changed, 1 insertion(+)
create mode 100644 Task-1
```

# Git checkout

```
MINGW64/c/Users/svsiv/documents/cognizance

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ git branch folder1

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ git checkout folder1
Switched to branch 'folder1'
```

# Git checkout -b

```
MINGW64/c/Users/svsiv/documents/cognizance

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (folder1)
$ git checkout -b folder2
Switched to a new branch 'folder2'
```

# Git clone

```
MINGW64/c/Users/svsiv/documents/cognizance

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (master)
$ git clone https://github.com/Sivaanant2003/cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

# Git commit -a

```
MINGW64/c/Users/svsiv/documents/cognizance

svsiv@DESKTOP-3PNGIV3 MINGW64 ~/documents/cognizance (folder1)
$ git commit -a
On branch folder1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Cognizance/

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

# Git push

```
svsiv@DESKTOP-3PNGTV3 MINGW64 ~/documents/cognizance (master)
$ git push cognizance master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 215 bytes | 21.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To cognizance
* [new branch]      master -> master
```

# Git merge

```
svsiv@DESKTOP-3PNGTV3 MINGW64 ~/documents/cognizance (folder1)
$ git merge master
Already up to date.
```

```
svsiv@DESKTOP-3PNGTV3 MINGW64 ~/documents/cognizance (folder1)
$ |
```

# Git reset

```
svsiv@DESKTOP-3PNGTV3 MINGW64 ~/documents/cognizance (folder2)
$ git reset --soft
```

```
svsiv@DESKTOP-3PNGTV3 MINGW64 ~/documents/cognizance (folder2)
$ |
```

# Git rebase

```
svsiv@DESKTOP-3PNGTV3 MINGW64 ~/documents/cognizance (folder1)
$ git rebase
There is no tracking information for the current branch.
Please specify which branch you want to rebase against.
See git-rebase(1) for details.
```

```
git rebase '<branch>'
```

If you wish to set tracking information for this branch you can do so with:

```
git branch --set-upstream-to=<remote>/<branch> folder1
```

# Git config --list --show-origins

```
svsiv@DESKTOP-3PNGIVJ MINGW64 ~/documents/cognizance (folder2)
$ git config --list --show-origins
error: unknown option 'show-origins'
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-regexp [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 <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-origins    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
```

## Other commands

```
MINGW64~/c/Users/svsiv/Documents/cognizance - 0 X
svsiv@DESKTOP-3PNGIVJ MINGW64 ~
$ cd Documents

svsiv@DESKTOP-3PNGIVJ MINGW64 ~/Documents
$ cd cognizance

svsiv@DESKTOP-3PNGIVJ MINGW64 ~/Documents/cognizance (folder1)
$ git fetch

svsiv@DESKTOP-3PNGIVJ MINGW64 ~/Documents/cognizance (folder1)
$ git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

git branch --set-upstream-to=<remote> <branch> folder1
```