

Cognizance

TASK-1

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Creating repository

```
KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~
$ cd desktop

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop
$ mkdir Cognizance

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop
$ cd Cognizance

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/Cognizance
$ git init
Initialized empty Git repository in C:/Users/KOWTHAM/Desktop/Cognizance/.git/

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/Cognizance (master)
$ git clone https://github.com/Koch03/Cognizance.git
Cloning into 'Cognizance'...
warning: You appear to have cloned an empty repository.
```

Git add and git status

```
KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/Cognizance (master)
$ touch GOAT.txt

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/Cognizance (master)
$ git add GOAT.txt

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/Cognizance (master)
$ git status
On branch master

No commits yet

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

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

```
git commit
```

```
KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/cognizance (master)
$ git add GOAT.txt

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/cognizance (master)
$ git commit -m "first commit"
[master (root-commit) 7704671] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 GOAT.txt
```

Git commit -a

```
second commit
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
# On branch master
# Changes to be committed:
#       new file:   plan.txt
#
# Untracked files:
#       Cognizance/
#
~
~
~
~
~
~
~
~
~
~
```

```
KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (master)
$ git commit -a
[master 4545bc8] second commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 P.txt
```

Git push

```
KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/cognizance (master)
$ git remote add origin https://github.com/Koch03/Cognizance.git

KOWTHAM@LAPTOP-J4OSHE0N MINGW64 ~/desktop/cognizance (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 211 bytes | 211.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Koch03/Cognizance.git
 * [new branch]      master -> master
```

Git checkout

```
KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/cognizance (develop)
$ git checkout master
Switched to branch 'master'
```

Git checkout -b

```
KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/cognizance (master)
$ git checkout -b develop
Switched to a new branch 'develop'
```

Git merge

```
KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/Cognizance (master)
$ git checkout develop
Switched to branch 'develop'

KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/Cognizance (develop)
$ git merge master
Updating 7704671..4545bc8
Fast-forward
 P.txt      | 0
 Pl.txt     | 0
 plan.txt   | 0
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 P.txt
 create mode 100644 Pl.txt
 create mode 100644 plan.txt
```

Git pull

```
KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/Cognizance (develop)
$ git pull origin master
From https://github.com/Koch03/Cognizance
 * branch      master      -> FETCH_HEAD
Already up to date.
```

Git reset

```
KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/Cognizance (develop)
$ git log --oneline
4545bc8 (HEAD -> develop, master) second commit
3256e8f second commit
ef37089 second commit
7704671 (origin/master) first commit

KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/Cognizance (develop)
$ git reset HEAD~1

KOWTHAM@LAPTOP-J40SHEON MINGW64 ~/desktop/Cognizance (develop)
$ git log --oneline
3256e8f (HEAD -> develop) second commit
ef37089 second commit
7704671 (origin/master) first commit
```

Git rebase

```

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (develop)
$ git checkout -b user
Switched to a new branch 'user'

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (user)
$ touch re.txt

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (user)
$ git add re.txt

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (user)
$ git commit -m "This is commit"
[user dddab5d] This is commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 re.txt

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (user)
$ git checkout develop
Switched to branch 'develop'

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (develop)
$ git rebase user
Successfully rebased and updated refs/heads/develop.

```

Git fetch

```

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (develop)
$ git fetch origin master
From https://github.com/Koch03/Cognizance
* branch          master      -> FETCH_HEAD

```

Git clone

```

KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (develop)
$ git clone https://github.com/Koch03/clone.git
Cloning into 'clone'...
warning: You appear to have cloned an empty repository.

```

Fork

The screenshot shows the GitHub interface for the repository 'Koch03 / GithubIntro'. The repository is public and was forked from 'TheCurryMan/GithubIntro'. The main branch is 'master', and there are 3 branches and 0 tags. The repository is up to date with the upstream 'master' branch. The commit history shows a single commit by 'TheCurryMan' titled 'Added blue bananas' on July 1, 2019, with 24 commits in total. The file list includes .DS_Store, .gitignore, README.md, ShoppingList.txt, and apples.txt. The README.md file is open, showing the title 'GithubIntro'. The right sidebar contains the 'About' section, which describes the repository as a basic introduction to teaching Git and GitHub, and the 'Releases' and 'Packages' sections, both of which are empty.

Git config --list --show-origin

```
KOWTHAM@LAPTOP-J40SHE0N MINGW64 ~/desktop/Cognizance (develop)
$ git config --list --show-origin
file:E:/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:E:/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:E:/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:E:/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:E:/Git/etc/gitconfig filter.lfs.required=true
file:E:/Git/etc/gitconfig http.sslbackend=openssl
file:E:/Git/etc/gitconfig http.sslcainfo=E:/Git/mingw64/ssl/certs/ca-bundle.crt
file:E:/Git/etc/gitconfig core.autocrlf=true
file:E:/Git/etc/gitconfig core.fscache=true
file:E:/Git/etc/gitconfig core.symlinks=false
file:E:/Git/etc/gitconfig pull.rebase=false
file:E:/Git/etc/gitconfig credential.helper=manager-core
file:E:/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:E:/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/KOWTHAM/.gitconfig user.name=Koch03
file:C:/Users/KOWTHAM/.gitconfig user.email=kowtham181103@gmail.com
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.symlinks=false
...skipping...
file:E:/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:E:/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:E:/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:E:/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:E:/Git/etc/gitconfig filter.lfs.required=true
file:E:/Git/etc/gitconfig http.sslbackend=openssl
file:E:/Git/etc/gitconfig http.sslcainfo=E:/Git/mingw64/ssl/certs/ca-bundle.crt
file:E:/Git/etc/gitconfig core.autocrlf=true
file:E:/Git/etc/gitconfig core.fscache=true
file:E:/Git/etc/gitconfig core.symlinks=false
file:E:/Git/etc/gitconfig pull.rebase=false
file:E:/Git/etc/gitconfig credential.helper=manager-core
file:E:/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:E:/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/KOWTHAM/.gitconfig user.name=Koch03
file:C:/Users/KOWTHAM/.gitconfig user.email=kowtham181103@gmail.com
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.symlinks=false
file:.git/config core.ignorecase=true
file:.git/config remote.origin.url=https://github.com/Koch03/Cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```