TASK 1

SAI MAHESH MARPU

21039

MINGW64:/c/Users/SAI MAHESH/sai

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ git config --global user.name "saimahesh19"

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ git config --global user.email "ch.en.u4cys21039.ch.students.amrita.edu"

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/SAI MAHESH/.gitconfig   user.name=saimahesh19
file:C:/Users/SAI MAHESH/.gitconfig   user.email=ch.en.u4cys21039.ch.students.amrita.edu

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ git clone https://github.com/saimaheshmarpu/sai.git
Cloning into 'sai'...
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.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ ls
'3D Objects'/   Downloads/   'My Documents'@   OneDrive/   SendTo@   ntuser.dat.LOG2
 AppData/   Favorites/   NTUSER.DAT   Pictures/   'Start Menu'@   ntuser.ini
'Application Data'@ IntelGraphicsProfiles/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.blf   PrintHood@   Templates@   sai/
 Contacts/   Links/   NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer00000000000000000001.regtrans-ms Recent@   Videos/
 Cookies@   'Local Settings'@   NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer00000000000000000002.regtrans-ms 'Saved Games'/ 'VirtualBox VMs'/
 Desktop/   Music/   NetHood@   Searches/   ntuser.dat.LOG1

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ cd sai

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$

Git add

```
SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ vi file.txt

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ git add file.txt
warning: LF will be replaced by CRLF in file.txt.
The file will have its original line endings in your working directory

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$
```

Commit

```
SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ git commit -a
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$
```

```
SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~
$ cd sai

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ ls
README.md

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/sai (main)
$ |
```

```
SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/sai (main)
$ git commit -m 'this is awsome'
[main cf6abc2] this is awsome
 1 file changed, 5 insertions(+)
 create mode 100644 file.txt
```

```
 1 file changed, 5 insertions(+)
 create mode 100644 file.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/sai (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/sai (main)
$ git commit -a
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/sai (main)
$ git log
commit cf6abc2a6e5be80ff4408157760fc275dce20af2 (HEAD -> main)
Author: saimahesh19 <ch.en.u4cys21039.ch.students.amrita.edu>
Date:   Mon Feb 14 19:24:50 2022 +0530

    this is awsome

commit 9c6873bd4c6c6e067b775944d883e93a79e3b4a7 (origin/main, origin/HEA
D)
Author: saimaheshmarpu <99631775+saimaheshmarpu@users.noreply.github.com
>
Date:   Mon Feb 14 18:40:00 2022 +0530

    Initial commit

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/sai (main)
$
```

```
MINGW64:/c/Users/SAI MAHESH/desktop/hii                                    –  □  X
t
SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/desktop/hii (master)
$ touch demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/desktop/hii (master)
$ git add demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/desktop/hii (master)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'My Documents/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
warning: could not open directory 'Templates/': Permission denied
On branch master

No commits yet

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

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../../.VirtualBox/
        ../../.Xilinx/
        ../../.bash_history
        ../../.gitconfig
        ../../.lesshst
        ../../.oracle_jre_usage/
        ../../.ssh/
        ../../.viminfo
        ../../3D Objects/
        ../../AppData/
        ../../Contacts/
        ../Documents - Shortcut.lnk
        ../Documents/
        ../LTspice XVII.lnk
        ../Microsoft Teams.lnk
        ../Saimahesh (mahesh) - Chrome.lnk
        ../Telegram.lnk
        ../desktop.ini
        cognizenceSAI/
        psat lab  7 dot product of vector.fprg
        psat lab 2 distance between  2 points.fprg
        ../../Downloads/
        ../../Favorites/
        ../../IntelGraphicsProfiles/
        ../../Links/
        ../../Music/
        ../../NTUSER.DAT
        ../../NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.blf
        ../../NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer00000000000000000001.regtrans-ms
```

checkout


```
SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/desktop/hii (master)
$ git checkout demo.txt
Updated 0 paths from the index

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/desktop/hii (master)
$ git checkout -b demo.txt
Switched to a new branch 'demo.txt'

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/desktop/hii (demo.txt)
$
```

```
SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~ (demo.txt)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/SAI MAHESH/.gitconfig      user.name=saimahesh
file:C:/Users/SAI MAHESH/.gitconfig      user.email=ch.en,u4cys21039.ch.students.amrita.edu
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

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~ (demo.txt)
$ mkdir cognizence

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~ (demo.txt)
$ cd cognizence

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (demo.txt)
$ git init
Initialized empty Git repository in C:/Users/SAI MAHESH/cognizence/.git/

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ touch demo.txt

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git add demo,txt
fatal: pathspec 'demo,txt' did not match any files

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git add demo.txt

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git status
On branch master

No commits yet

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


SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ |
```

```
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/SAI MAHESH/.gitconfig     user.name=saimahesh
file:C:/Users/SAI MAHESH/.gitconfig     user.email=ch.en.u4cys21039.ch.students.amrita.edu
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

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~ (demo.txt)
$ mkdir cognizence

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~ (demo.txt)
$ cd cognizence

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (demo.txt)
$ git init
Initialized empty Git repository in C:/Users/SAI MAHESH/cognizence/.git/

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ touch demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git add demo.txt
fatal: pathspec 'demo.txt' did not match any files

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git add demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git status
On branch master

No commits yet

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

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git git commit-m "my commit"
git: 'git' is not a git command. See 'git --help'.

The most similar command is
        init

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git commit -m " my commit"
[master (root-commit) 82ad8d4]  my commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ |
```

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

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git add demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git status
On branch master

No commits yet

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

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git git commit-m "my commit"
git: 'git' is not a git command. See 'git --help'.

The most similar command is
        init

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git commit -m " my commit"
[master (root-commit) 82ad8d4]  my commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 demo.txt

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git checkout master
Already on 'master'

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git checkout -b develop
Switched to a new branch 'develop'
```

Push, checkout


```
MINGW64:/c/Users/SAI MAHESH/cognizence                                    —    □    ×

fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (develop)
$ git push origin develop
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (develop)
$ git commit -m "my commit"
On branch develop
nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (develop)
$ git checkout master
Switched to branch 'master'

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git checkout -b develop
fatal: a branch named 'develop' already exists

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$
```

```
Switched to a new branch 'mahesh'

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git push origin mahesh
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git commit -m " my first commit from local devices"
On branch mahesh
nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git push origin mahesh
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git push
fatal: No configured push destination.
Either specify the URL from the command-line or configure a remote repository using

    git remote add <name> <url>

and then push using the remote name

    git push <name>


SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$
```

```
and the repository exists.

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git push
fatal: No configured push destination.
Either specify the URL from the command-line or configure a remote repository using

    git remote add <name> <url>

and then push using the remote name

    git push <name>


SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (mahesh)
$ git checkout develop
Switched to branch 'develop'

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (develop)
$ git checkout master
Switched to branch 'master'

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$ git status
On branch master
nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBRE0PSI MINGW64 ~/cognizence (master)
$
```

Fetch,merge


```
SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (mahesh)
$ git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (mahesh)
$ git checkout develop
Switched to branch 'develop'

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (develop)
$ git checkout master
Switched to branch 'master'

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git status
On branch master
nothing to commit, working tree clean

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git fetch

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git diff READ.md
fatal: ambiguous argument 'READ.md': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git merge
fatal: No remote for the current branch.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$
```

pull


```
    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> master

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ git pull demo.txt
fatal: invalid gitfile format: demo.txt
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence (master)
$ cd .git

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence/.git (GIT_DIR!)
$ cd cognizence
bash: cd: cognizence: No such file or directory

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence/.git (GIT_DIR!)
$ git pul
git: 'pul' is not a git command. See 'git --help'.

The most similar commands are
        pull
        push

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence/.git (GIT_DIR!)
$ git pull
fatal: this operation must be run in a work tree

SAI MAHESH@LAPTOP-HBREOPSI MINGW64 ~/cognizence/.git (GIT_DIR!)
$
```