

Assignment 1

Git

Q.1. Create a directory by name demo. Initialize it as a git repository. Create a file by name index.html in it. Git add and git commit. Create a new file by name product.html. git add and git commit. Check with git log and git status.

 MINGW64:/c/Users/Onkar Khade/Desktop/demo

```
Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo
$ git init
Initialized empty Git repository in C:/Users/Onkar Khade/Desktop/demo/.git/

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ vi index.html
```

```
Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git add --all
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git commit -m "File index.html comitted"
[master (root-commit) 34dc4cd] File index.html comitted
1 file changed, 8 insertions(+)
create mode 100644 index.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ |
```

```
Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git log
commit 34dc4cde865bdbf370bcf962975f014c35c2e6ab (HEAD -> master)
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date: Fri Dec 13 17:13:00 2024 +0530

    File index.html comitted

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git status
On branch master
nothing to commit, working tree clean

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$
```

```

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ vi product.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git add --all
warning: in the working copy of 'product.html', LF will be replaced by CRLF the next time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git commit -m "File product.html committed"
[master 5905491] File product.html committed
1 file changed, 4 insertions(+)
create mode 100644 product.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git log
commit 5905491781187d674c2d9d7674640d2724057cc7 (HEAD -> master)
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date: Fri Dec 13 17:16:38 2024 +0530

    File product.html committed

commit 34dc4cde865bdbf370bcf962975f014c35c2e6ab
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date: Fri Dec 13 17:13:00 2024 +0530

    File index.html committed

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git status
On branch master
nothing to commit, working tree clean

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$

```

Q.2. Create a directory by name project1. Initialize it as a git repository. Create a file by name file1.c in it. Type “Welcome to git!!!” in the file. Git add and git commit. Modify the file1.c again and add second line “Welcome to DevOPS!!!”. Git add and git commit. Modify the file1.c again and add Third line “Welcome to Jenkins!!!”. Git add and git commit. Now try to get back the file1.c with one line “Welcome to git!!!” from commit.

MINGW64:/c:/Users/Onkar Khade/Desktop/project1

```
Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1
$ git init
Initialized empty Git repository in C:/Users/Onkar Khade/Desktop/project1/.git/

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ vi file1.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git add -A
warning: in the working copy of 'file1.c', LF will be replaced by CRLF the next
time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git commit -m "First time committed"
[master (root-commit) 62e0bcc] First time committed
1 file changed, 1 insertion(+)
create mode 100644 file1.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git log
commit 62e0bcce197693c8b37ee12b3488b4549979798f (HEAD -> master)
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date: Fri Dec 13 18:19:49 2024 +0530

    First time committed

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ vi file1.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git add -A
warning: in the working copy of 'file1.c', LF will be replaced by CRLF the next
time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git commit -m "Second time committed"
[master 627ca15] Second time committed
1 file changed, 2 insertions(+)

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ vi file1.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git add -A
warning: in the working copy of 'file1.c', LF will be replaced by CRLF the next
time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git commit -m "Third time committed"
[master 10c7d54] Third time committed
1 file changed, 1 insertion(+), 1 deletion(-)
```

MINGW64:/c/Users/Onkar Khade/Desktop/project1

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)

\$ vi file1.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)

\$ git add -A

warning: in the working copy of 'file1.c', LF will be replaced by CRLF the next time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)

\$ git commit -m "Third time committed"

[master 10c7d54] Third time committed
1 file changed, 1 insertion(+), 1 deletion(-)

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)

\$ git log

commit 10c7d54ef2a2700086ed2c5632214a91e348f7b7 (HEAD -> master)

Author: OnkarKhade1271 <onkarkhade87@gmail.com>

Date: Fri Dec 13 18:23:39 2024 +0530

Third time committed

commit 627ca1517e71ebe78db1cb2588032011f7c84fb5

Author: OnkarKhade1271 <onkarkhade87@gmail.com>

Date: Fri Dec 13 18:22:57 2024 +0530

Second time committed

commit 62e0bcce197693c8b37ee12b3488b4549979798f

Author: OnkarKhade1271 <onkarkhade87@gmail.com>

Date: Fri Dec 13 18:19:49 2024 +0530

First time committed

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)

\$ git status

On branch master

nothing to commit, working tree clean

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)

\$ git log

commit 10c7d54ef2a2700086ed2c5632214a91e348f7b7 (HEAD -> master)

Author: OnkarKhade1271 <onkarkhade87@gmail.com>

Date: Fri Dec 13 18:23:39 2024 +0530

Third time committed

commit 627ca1517e71ebe78db1cb2588032011f7c84fb5

Author: OnkarKhade1271 <onkarkhade87@gmail.com>

Date: Fri Dec 13 18:22:57 2024 +0530

Second time committed

commit 62e0bcce197693c8b37ee12b3488b4549979798f

Author: OnkarKhade1271 <onkarkhade87@gmail.com>

Date: Fri Dec 13 18:19:49 2024 +0530

First time committed

```

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git status
On branch master
nothing to commit, working tree clean

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git log
commit 10c7d54ef2a2700086ed2c5632214a91e348f7b7 (HEAD -> master)
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date:   Fri Dec 13 18:23:39 2024 +0530

    Third time committed

commit 627ca1517e71ebe78db1cb2588032011f7c84fb5
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date:   Fri Dec 13 18:22:57 2024 +0530

    Second time committed

commit 62e0bcce197693c8b37ee12b3488b4549979798f
Author: OnkarKhade1271 <onkarkhade87@gmail.com>
Date:   Fri Dec 13 18:19:49 2024 +0530

    First time committed

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master)
$ git revert 627ca1517e71e
Auto-merging file1.c
CONFLICT (content): Merge conflict in file1.c
error: could not revert 627ca15... Second time committed
hint: After resolving the conflicts, mark them with
hint: "git add/rm <paths>", then run
hint: "git revert --continue".
hint: You can instead skip this commit with "git revert --skip".
hint: To abort and get back to the state before "git revert",
hint: run "git revert --abort".
hint: Disable this message with "git config advice.mergeConflict false"

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master|REVERTING)
$ vi file1.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master|REVERTING)
$ cat file1.c
Welcome to git

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/project1 (master|REVERTING)
$ |

```

Q.3. Go to the demo directory. Check git status. Create a branch by name UI. Go to the branch and create a file by name ui.html. Git add and commit. Go to the master branch. Create another branch by name dbconn. Go to the branch and create user-reg.html file. Git add and commit. Not go to the master branch. Merge the UI branch first. Then merge the dbconn branch.

MINGW64:/c/Users/Onkar Khade/Desktop/demo

```
Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git branch
* master

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git branch UI

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git status
On branch master
nothing to commit, working tree clean

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git branch UI
fatal: a branch named 'UI' already exists

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git checkout UI
Switched to branch 'UI'

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ vi ui.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ git add -A
warning: in the working copy of 'ui.html', LF will be replaced by CRLF the next
time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ git commit -m "ui.html committed"
[UI aa3c255] ui.html committed
1 file changed, 1 insertion(+)
create mode 100644 ui.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ git checkout master
Switched to branch 'master'
```

```
Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ git add -A
warning: in the working copy of 'ui.html', LF will be replaced by CRLF the next
time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ git commit -m "ui.html committed"
[UI aa3c255] ui.html committed
1 file changed, 1 insertion(+)
create mode 100644 ui.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (UI)
$ git checkout master
Switched to branch 'master'

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git branch dbconn

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git checkout dbconn
Switched to branch 'dbconn'

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (dbconn)
$ vi user-reg.html

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (dbconn)
$ git add -A
warning: in the working copy of 'user-reg.html', LF will be replaced by CRLF the
next time Git touches it
```

```

$ git commit -m "user-reg.html is committed"
Merge branch 'dbconn'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.

```

```
merge branch 'dbconn'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
~
~
~
~
~
~
~
~
~
~
~
~
~
~
```

[illegible]

```

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$ git branch
  UI
  dbconn
* master

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/demo (master)
$

```

Q.4. Go to GitHub. Create a repository. Create a file by name test.c in it. Commit changes. Now on your computer create a directory by name remote. Go to the directory. Clone the GitHub repository. Now go to the new directory created after clone. Create a new file by name demo.c. git add and commit. Then git push . Now go to the GitHub and check if the demo.c file is shown.

```

MINGW64: c:/Users/Onkar Khade/Desktop/remote/DemoRepo

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote
$ git init
Initialized empty Git repository in C:/Users/Onkar Khade/Desktop/remote/.git/

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote (master)
$ git clone https://github.com/OnkarKhade1271/DemoRepo.git
Cloning into 'DemoRepo'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (6/6), done.

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote (master)
$ cd DemoRepo

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ vi demo.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ git add -A
warning: in the working copy of 'demo.c', LF will be replaced by CRLF the next time Git touches it

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ git commit -m "demo.c committed"
[main 146b7ed] demo.c committed
1 file changed, 1 insertion(+)
create mode 100644 demo.c

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ git push demo.c
fatal: invalid gitfile format: demo.c
fatal: Could not read from remote repository.

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

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ git push origin https://github.com/OnkarKhade1271/DemoRepo.git demo.c
fatal: invalid refspec 'https://github.com/OnkarKhade1271/DemoRepo.git'

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 341 bytes | 341.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/OnkarKhade1271/DemoRepo.git
   fbc4e29..146b7ed  main -> main

Onkar Khade@LAPTOP-85T9UL4I MINGW64 ~/Desktop/remote/DemoRepo (main)
$ ~

```


OnkarKhade1271/DemoRepo

github.com/OnkarKhade1271/DemoRepo

OnkarKhade1271 / DemoRepo

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OnkarKhade1271 demo.c committed146b7ed - 9 minutes ago3 Commits

README.md	Initial commit	18 minutes ago
demo.c	demo.c committed	9 minutes ago
test.c	Create test.c	17 minutes ago

About

This is demo repository

ReadmeActivity0 stars1 watching0 forks