

Name: Vaishnavi Yogesh Mahajan

Roll No:-74

Practical N0:- 3

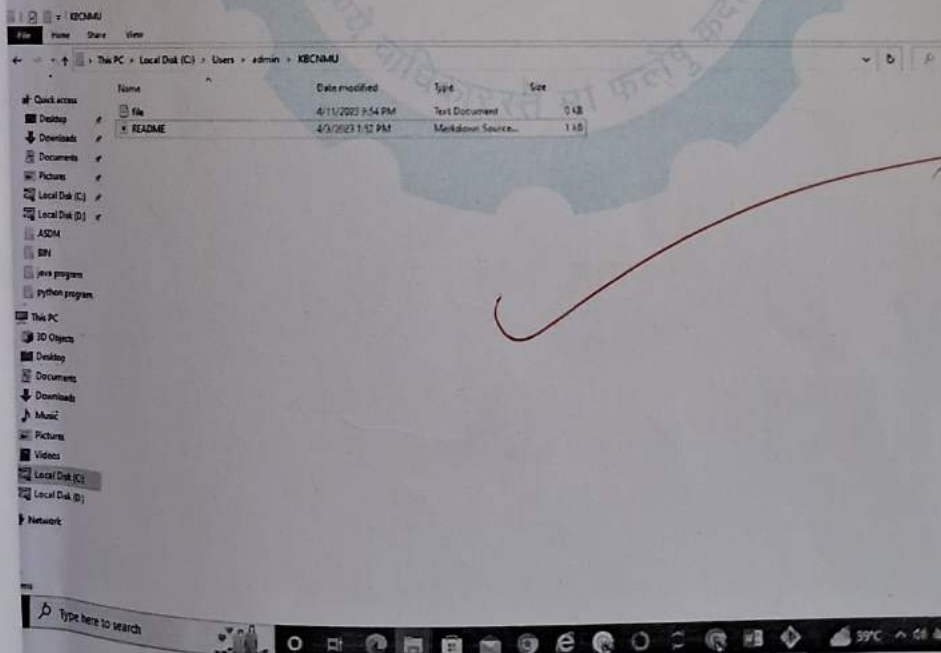
Practical Name:- Use git add to add the file to the repository use git commit to commit your change.

```
admin@DESKTOP-K3MVO4B MINGW64 ~  
$ cd KBCNMU
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU (main)  
$ touch file.txt
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU (main)  
$ git add file.txt
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU (main)  
$ git commit -m "first commit"  
[main e8434a1] first commit  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 file.txt
```



Name:- Vaishnavi Yogesh Mahajan

Roll No:- 74

Practical No:-4

Practical Name:- Use git push to send your change to the primary repository. Look online to see if your change has been pushed.

```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~  
$ git clone https://github.com/VAISHNAVI/MCA.git  
Cloning into 'MCA'...  
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.
```

```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~  
$ cd MCA
```

```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (main)  
$ git init MCA  
Initialized empty Git repository in C:/Users/pratik/MCA/MCA/.git/
```

```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (main)  
$ touch MCA1.txt
```

```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (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)

MCA/ MCA1.txt nothing added to commit but untracked files
present (use "git add" to track)

```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (main)  
$ git add MCA1.txt
```

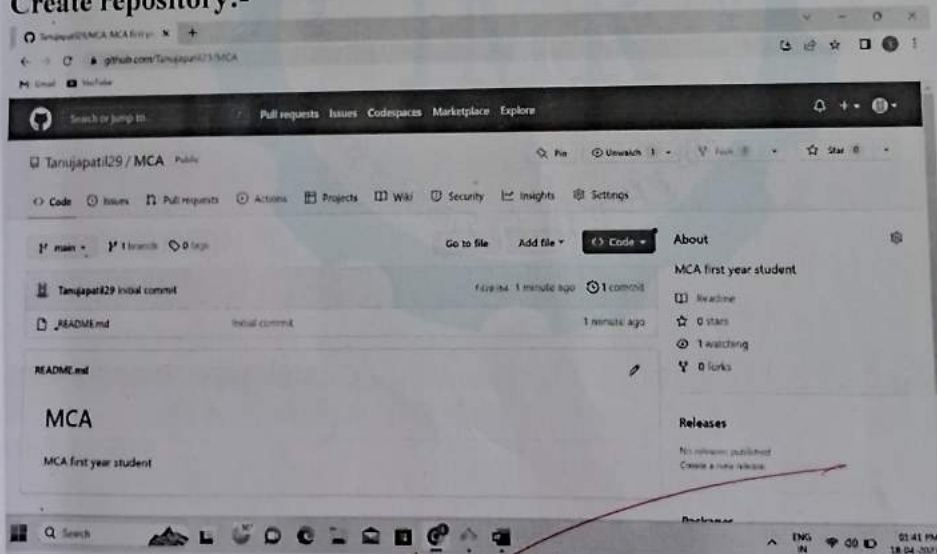
```
Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (main)  
$ git commit -m "First commit"
```

[main 8865e63] First commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 MCA1.txt

Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (main)
\$ git push -u 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), 277 bytes | 277.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Dhirajpatil129/MCA.git
fae9510..8865e63 main -> main branch 'main' set
up to track 'origin/main'.

Dhiraj@DESKTOP-K44LLJ3 MINGW64 ~/MCA (main)
\$

Create repository:-



before push:-

6 = 0

Name: Vaishnavi Yogesh Mahajan

Roll No : 74

Practical N0 :- 05

Practical Name :- Use git pull to get your partners change into your repository. Verify that you have the new files.

```
admin@DESKTOP-K3MVO4B MINGW64 ~  
$ cd MCA
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)  
$ git init MCA  
Initialized empty Git repository in C:/Users/admin/MCA/MCA/.git/
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)  
$ git pull  
https://github.com/VAISHNAVI/MCA.git  
remote: Enumerating objects: 4, done. remote:  
Counting objects: 100% (4/4), done. remote:  
Compressing objects: 100% (3/3), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Unpacking objects: 100% (3/3), 811.45 KiB | 480.00 KiB/s, done.  
From https://github.com/DhirajPatil129/MCA  
* branch      HEAD    -> FETCH_HEAD  
Updating e5432d0..1b8e5f9  
Fast-forward  
 1practicals.pdf | Bin 0 -> 970191 bytes 1  
file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 1practicals.pdf
```

6 = 0

Name: Vaishnavi Yogesh Mahajan

Roll No:- 74

Practical N0:- 06

Practical Name:- Use git log or git log | less to see a list of changes to the repository.

admin@DESKTOP-K3MVO4B MINGW64 ~
\$ cd MCA

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)
\$ git log
commit 1b8e5f97678c3e0b88c1066cf963ecd3bf5a3e5f (HEAD -> main)

Author: VAISHNAVI129
<128398583+VAISHNAVI@users.noreply.github.com> Date: Wed May
3 20:46:49 2023 +0530 Add files via upload

commit e5432d06d29345adf215a849757342bafd17a297 (origin/main,
origin/HEAD)

Author: unknown <VAISHNAVI>
Date: Tue Apr 18 13:41:53 2023 +0530

frist commit

commit 2632b1d25b7cf3e73bdf6d93c3bc8e0cbbae024f
Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com> Date: Tue
Apr 18 13:22:05 2023 +0530 Initial commit

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --oneline

1b8e5f9 (HEAD -> main) Add files via upload

e5432d0 (origin/main, origin/HEAD) frist commit

2632b1d Initial commit

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

6 = 0

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)
$ git log --graph
* commit 1b8e5f97678c3e0b88c1066cf963ecd3bf5a3e5f (HEAD -> main)
| Author: VAISHNAVI
| <128398583+VAISHNAVI@users.noreply.github.com>
| Date: Wed May 3 20:46:49 2023 +0530
```

| Add files via upload

```
| * commit e5432d06d29345adf215a849757342bafd17a297 (origin/main,
| origin/HEAD)
```

```
| Author: unknown <VAISHNAVI>
| Date: Tue Apr 18 13:41:53 2023 +0530
```

| frist commit

```
| * commit 2632b1d25b7cf3e73bdf6d93c3bc8e0cbbac024f
| Author: VAISHNAVI
| <128398583+VAISHNAVI@users.noreply.github.com>
| Date: Tue Apr 18 13:22:05 2023 +0530
```

Initial commit

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)
$ git log --graph --oneline
* 1b8e5f9 (HEAD -> main) Add files via upload
* e5432d0 (origin/main, origin/HEAD) frist commit
* 2632b1d Initial commit
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)
$ git log -3
commit 1b8e5f97678c3e0b88c1066cf963ecd3bf5a3e5f (HEAD -> main)
Author: VAISHNAVI
<128398583+VAISHNAVI@users.noreply.github.com>
```


6 = 0

Date: Wed May 3 20:46:49 2023 +0530

Add files via upload

commit e5432d06d29345adf215a849757342bafd17a297 (origin/main,
origin/HEAD)

Author: unknown <DhirajPatil129>

Date: Tue Apr 18 13:41:53 2023 +0530

frist commit

commit 2632b1d25b7cf3e73bdf6d93c3bc8e0cbbac024f

Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com>

Date: Tue Apr 18 13:22:05 2023 +0530

Initial commit

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --after="2021-01-20"

commit 1b8e5f97678c3e0b88c1066cf963ecd3bf5a3e5f (HEAD -> main)

Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com>

Date: Wed May 3 20:46:49 2023 +0530

Add files via upload

commit e5432d06d29345adf215a849757342bafd17a297 (origin/main,
origin/HEAD)

Author: unknown <VAISHNAVI>

Date: Tue Apr 18 13:41:53 2023 +0530

frist commit

commit 2632b1d25b7cf3e73bdf6d93c3bc8e0cbbac024f

Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com> Date: Tue

Apr 18 13:22:05 2023 +0530 Initial commit

6 = 0

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --after="20 days ago"

commit 1b8e5f97678c3e0b88c1066cf963ecd3bf5a3e5f (HEAD -> main)

Author: VAISHNAVI

<128398583+DhirajPatil129@users.noreply.github.com> Date: Wed May 3 20:46:49 2023 +0530

Add files via upload

commit e5432d06d29345adf215a849757342bafd17a297 (origin/main, origin/HEAD)

Author: unknown <VAISHNAVI>

Date: Tue Apr 18 13:41:53 2023 +0530

frist commit

commit 2632b1d25b7cf3e73bdf6d93c3bc8e0cbbae024f

Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com>

Date: Tue Apr 18 13:22:05 2023 +0530

Initial commit

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --after="2023-01-05" --befor="2023-02-11"

fatal: unrecognized argument: --befor=2023-02-11

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --after="2023-01-05"--befor="2023-02-11" commit

1b8e5f97678c3e0b88c1066cf963ecd3bf5a3e5f (HEAD -> main)

Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com>

Date: Wed May 3 20:46:49 2023 +0530

Add files via upload

commit e5432d06d29345adf215a849757342bafd17a297 (origin/main, origin/HEAD)

6 = 0

Author: unknown <DhirajPatil129>

Date: Tue Apr 18 13:41:53 2023 +0530

frist commit

commit 2632b1d25b7cf3e73bdf6d93c3bc8e0cbbae024f

Author: VAISHNAVI

<128398583+VAISHNAVI@users.noreply.github.com>

Date: Tue Apr 18 13:22:05 2023 +0530

Initial commit

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --author="MCA1"

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --author="VAISHNAVI@gmail.com"

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git log --grep="commit message"

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)

\$ git status

On branch main

Your branch is ahead of 'origin/main' by 1 commit.

(use "git push" to publish your local commits)

Untracked files:

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

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

©

Utkasha
03/5/24

```

admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (branch1)
$ git push -u origin branch1 Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 232 bytes | 116.00 KiB/s, done. Total 2
(delta 1), reused 0 (delta 0), pack-reused 0 remote: Resolving deltas:
100% (1/1), completed with 1 local object.
remote: remote: Create a pull request for 'branch1' on GitHub by
visiting: remote:
https://github.com/DhirajPatil129/MCA/pull/new/branch1 remote:
To https://github.com/DhirajPatil129/MCA.git
* [new branch] branch1 -> branch1 branch
'branch1' set up to track 'origin/branch1'.

```

Before Pull and merge on remote repository:-

The screenshot shows the GitHub interface for the repository 'NileshNarkhede2002 / MCA'. The 'branch1' branch is selected, and it is noted that it is 1 commit ahead of the 'main' branch. The file list includes '1practical.pdf', 'MCA1.txt', 'MCA2.txt', and 'README.md'. The 'README.md' file is highlighted, showing its commit history with 4 commits. The right sidebar contains sections for 'About' (stating it's the second repository), 'Releases' (no releases published), and 'Packages' (no packages published).

forming Pull request:-

6 = 0

93

Name:- Vaishnavi Yogesh Mahajan

Roll No:- 74

Practical No:-7

Practical Name:-Use git branch to create a new branch and git checkout to switch to the branch.

```
admin@DESKTOP-K3MVO4B MINGW64 ~  
$ cd MCA
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (branch2)  
$ git checkout main
```

```
Switched to branch 'main'  
Your branch is ahead of 'origin/main' by 1 commit.  
(use "git push" to publish your local commits)
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)  
$ git init MCA
```

```
Reinitialized existing Git repository in C:/Users/admin/MCA/MCA/.git/
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)  
$ git branch branch1
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (main)  
$ git checkout branch1  
Switched to branch 'branch1'
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (branch1)  
$ touch MCA2.txt
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (branch1)  
$ git add MCA2.txt
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/MCA (branch1)  
$ git commit -m "First commit of branch first"
```

```
[branch1 e9eed8d] First commit of branch first 1 file changed,  
0 insertions(+), 0 deletions(-) create mode 100644 MCA2.txt
```

©

20/05/24

Name:- Vaishnavi Yogesh Mahajan

Roll No:- 74

Practical No:-08

Practical Name:-Use git merge to merge you changes to the primary branch.

```
comp@comp230 MINGW32 ~  
$ git clone https://github.com/VAISHNAVI/Dream.git  
Cloning into 'Dream'...  
remote: Enumerating objects: 3, done. remote: Counting  
objects: 100% (3/3), done. remote: Compressing objects:  
100% (2/2), done. remote: Total 3 (delta 0), reused 0  
(delta 0), pack-reused 0 Receiving objects: 100% (3/3),  
done.
```

```
comp@comp230 MINGW32 ~  
$ cd Dream
```

```
comp@comp230 MINGW32 ~/Dream (main)  
$ touch Dream1.txt
```

```
comp@comp230 MINGW32 ~/Dream (main)  
$ git add Dream1.txt
```

```
comp@comp230 MINGW32 ~/Dream (main)  
$ git commit -m "I am Sorry "  
[main 9b41a03] I am Sorry  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 Dream1.txt
```

```
comp@comp230 MINGW32 ~/Dream (main)  
$ git branch pratik
```

```
comp@comp230 MINGW32 ~/Dream (main)  
$ git checkout main  
Already on 'main'  
Your branch is ahead of 'origin/main' by 1 commit.  
(use "git push" to publish your local commits)
```

```
comp@comp230 MINGW32 ~/Dream (main)
$ git checkout pratik
Switched to branch 'pratik'
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ touch Dream2.txt
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git add Dream2.txt
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git commit -m "thanks you "
[Dhiraj b60f7b3] thanks you
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Dream2.txt
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git merge main
Already up to date.
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git status
On branch pratik nothing to commit,
working tree clean
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git branch --list
* pratik main
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git checkout pratik
Already on 'pratik'
```

```
comp@comp230 MINGW32 ~/Dream (Dhiraj)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
```

```
comp@comp230 MINGW32 ~/Dream (main)
$ git checkout Dhiraj
Switched to branch 'Dhiraj'
```

Name:- Vaishnavi Yogesh Mahajan
 Roll No:- 74
 Practical No:-9
 Practical Name:- Demonstrate the use of git diff command

```
admin@DESKTOP-K3MVO4B MINGW64 ~
$ git clone https://github.com/VAISHNAVI/KBCNMU2.git
Cloning into 'KBCNMU2'...
remote: Enumerating objects: 9, done. remote:
Counting objects: 100% (9/9), done. remote:
Compressing objects: 100% (5/5), done.
remote: Total 9 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), done.
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~
$ cd KBCNMU2
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (main)
```

```
$ git diff
```

```
diff --git a/MCA b/MCA index
8646659..17a37dc 100644
```

```
--- a/MCA
```

```
+++ b/MCA
```

```
@@ -1 +1,2 @@
```

```
this is new file
```

```
+this is new file practical no 9
```

```
\ No newline at end of file diff -
```

```
-git a/MCA2 b/MCA2 index
```

```
9722bcf..c981179 100644
```

```
--- a/MCA2
```

```
+++ b/MCA2
```

```
@@ -1 +1 @@
```

```
-this is second file
```

```
+MY name Dhiraj
```

```
admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (main)
```


\$ git diff --color-words diff --git
a/MCA b/MCA index
8646659..17a37de 100644 ---
a/MCA
+++ b/MCA
@@@ -1 +1,2 @@
this is new file this is new file
practical no 9 diff --git
a/MCA2 b/MCA2 index
9722bef..e981179 100644
--- a/MCA2
+++ b/MCA2
@@@ -1 +1 @@
this is second file MY name Dhiraj

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (main)
\$ git branch branch2

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (main)
\$ git checkout branch2
Switched to branch 'branch2'
M MCA
M MCA2

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (branch2)
\$ touch branch2.txt

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (branch2)
\$ git add branch2.txt

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (branch2)
\$ git commit -m "commit branch2 diff"
[branch2 51f998b] commit branch2 diff
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 branch2.txt

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (branch2)

$E_1 = 0$

```
$ git diff main branch2 diff --git
a/branch2.txt b/branch2.txt
new file mode 100644
index 0000000..e69de29
admin@DESKTOP-
K3MVO4B MINGW64
~/KBCNMU2 (branch2)
$ git diff main branch2 --name-only
branch2.txt
```

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (branch2)

```
git diff main diff --git a/MCA
```

```
b/MCA index
8646659..17a37de 100644
```

```
--- a/MCA
```

```
+++ b/MCA
```

```
@@@ -1 +1,2 @@
```

```
this is new file
```

```
+this is new file practical no 9
```

```
\ No newline at end of file diff -
```

```
-git a/MCA2 b/MCA2 index
```

```
9722bef..e981179 100644
```

```
--- a/MCA2
```

```
+++ b/MCA2
```

```
@@@ -1 +1 @@
```

```
this is second file
```

```
+MY name Dhiraj
```

```
diff --git a/branch2.txt b/branch2.txt
```

```
new file mode 100644
```

```
index 0000000..e69de29
```

admin@DESKTOP-K3MVO4B MINGW64 ~/KBCNMU2 (branch2)

```
$ git diff main...branch2 diff --git
```

```
a/branch2.txt b/branch2.txt
```

```
new file mode 100644
```

```
index 0000000..e69de29
```