



Experiment No. 1.2

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Branch: MCA - CCD Section/Group: 22MCD-1/ Grp B

Semester: III

Subject Name: DevOps Process Automation Lab Subject Code: 22CAP-745

1. Aim/Overview of the practical:

- Create a new file named UID_Name.txt in your local repo and add some content in the file and push it to the remote repository.
- Manage to create a two new branches using Git. Two branches must be named as your UID and Name respectively.
- Now, after creating branches, UID_Name.txt file must be available in Branch UID. Make some changes in the file present in Branch UID.
- After this, come back to your Master branch and merge the file with Branch UID file. If you face any conflicts, remove it.
- Create a new file named as Name.txt in Branch Name. Now try to merge it with Branch UID file. Will it be merged or not? show after implementing it.

2. Code for experiment/practical:

• Create a new file named UID_Name.txt in your local repo and add some content in the file and push it to the remote repository.

```
Pinda@SPEED MINGW64 ~

$ mkdir ex-2

Pinda@SPEED MINGW64 ~

$ cd ex-2

Pinda@SPEED MINGW64 ~/ex-2

$ git init
Initialized empty Git repository in C:/Users/Pinda/ex-2/.git/

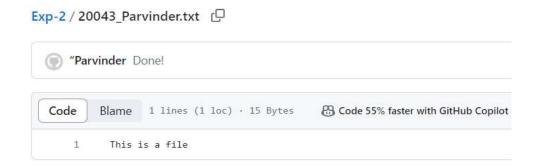
Pinda@SPEED MINGW64 ~/ex-2 (master)

$ echo This is a file> 20043_Parvinder.txt
```





```
pinda@SPEED MINGW64 ~/ex-2 (master)
$ git add 20043_Parvinder.txt
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git config user.name "Parvinder Singh"
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git config user.email "22mcc20043@cuchd.in"
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git remote add origin "https://github.com/parvinder20043/Exp-2.git"
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git commit -m "Done!"
[master (root-commit) df7d9e3] Done!
1 file changed, 1 insertion(+)
create mode 100644 20043_Parvinder.txt
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 244 bytes | 244.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/parvinder20043/Exp-2.git
* [new branch]
                     master -> master
branch 'master' set up to track 'origin/master'.
```



 Manage to create a two new branches using Git. Two branches must be named as your UID and Name respectively.

```
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git branch 22MCC20043
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git branch Parvinder
```

• Now, after creating branches, UID_Name.txt file must be available in Branch UID. Make some changes in the file present in Branch UID.





```
Pinda@SPEED MINGW64 ~/ex-2 (master)

$ git checkout 22MCC20043

Switched to branch '22MCC20043'

Pinda@SPEED MINGW64 ~/ex-2 (22MCC20043)

$ vi 20043_Parvinder.txt

Pinda@SPEED MINGW64 ~/ex-2 (22MCC20043)

$ git add 20043_Parvinder.txt

Pinda@SPEED MINGW64 ~/ex-2 (22MCC20043)

$ git commit -m "Done1!"

[22MCC20043 a40364b] Done1!

1 file changed, 1 insertion(+), 1 deletion(-)
```

• After this, come back to your Master branch and merge the file with Branch UID file. If you face any conflicts, remove it.

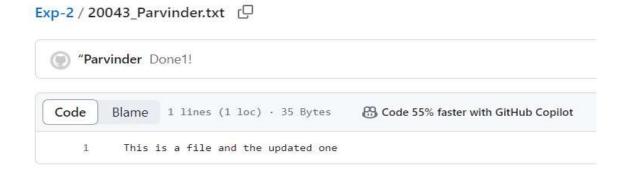
```
Pinda@SPEED MINGW64 ~/ex-2 (22MCC20043)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git merge 22MCC20043
Updating df7d9e3..a40364b
Fast-forward
 20043_Parvinder.txt | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git push -u origin master
Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Writing objects: 100% (3/3), 296 bytes | 296.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/parvinder20043/Exp-2.git
    df7d9e3..a40364b master -> master
branch 'master' set up to track 'origin/master'.
```

Changes Updated Successfully without any conflicts.







• Create a new file named as Name.txt in Branch Name. Now try to merge it with Branch UID file. Will it be merged or not? show after implementing it.

```
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git checkout Parvinder
Switched to branch 'Parvinder'
Pinda@SPEED MINGW64 ~/ex-2 (Parvinder)
$ echo This is a another file>Parvinder.txt
Pinda@SPEED MINGW64 ~/ex-2 (Parvinder)
$ git add Parvinder.txt
Pinda@SPEED MINGW64 ~/ex-2 (Parvinder)
$ git commit -m "Done2!"
[Parvinder df07757] Done2!
1 file changed, 1 insertion(+)
 create mode 100644 Parvinder.txt
Pinda@SPEED MINGW64 ~/ex-2 (Parvinder)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git merge Parvinder
Merge made by the 'ort' strategy.
 Parvinder.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 Parvinder.txt
Pinda@SPEED MINGW64 ~/ex-2 (master)
$ git push -u origin master
Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 8 threads

Compressing objects: 100% (4/4), done.

Writing objects: 100% (5/5), 593 bytes | 593.00 KiB/s, done.

Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/parvinder20043/Exp-2.git
    a40364b..16b8da1 master -> master
branch 'master' set up to track 'origin/master'.
```

