

## Experiment No. 1.2

**Student Name:** Parvinder Singh

**UID:** 22MCC20043

**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'.
```


Exp-2 / 20043\_Parvinder.txt

 "Parvinder Done!"

Code

Blame

1 lines (1 loc) · 15 Bytes

 Code 55% faster with GitHub Copilot

1      This is a file

- 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.


Exp-2 / 20043\_Parvinder.txt 

 "Parvinder Done1!"

Code

Blame

1 lines (1 loc) · 35 Bytes

 Code 55% faster with GitHub Copilot

1 This is a file and the updated one



- 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'.
```

Files

master

Go to file

20043\_Parvinder.txt

Parvinder.txt

Exp-2 / Parvinder.txt

"Parvinder Done2!"

Code Blame 1 lines (1 loc) · 23 Bytes Code 55% faster with GitHub Copilot

1 This is a another file