

Assignment 01 Git and Github

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Git Init NewBranch

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

• PS D:\Infobell Training> git init
Reinitialized existing Git repository in D:/Infobell Training/.git/
• PS D:\Infobell Training> git clone https://github.com/sushmithakongi/CDAC-Batch-2-Training
fatal: destination path 'CDAC-Batch-2-Training' already exists and is not an empty directory.
• PS D:\Infobell Training> cd
• PS D:\Infobell Training> cd CDAC-Batch-2-Training
• PS D:\Infobell Training\CDAC-Batch-2-Training> cd branch pratik
Set-Location : A positional parameter cannot be found that accepts argument 'pratik'.
At line:1 char:1
+ cd branch pratik
+ ~~~~~
+ CategoryInfo          : InvalidArgument: (:) [Set-Location], ParameterBindingException
+ FullyQualifiedErrorId : PositionalParameterNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS D:\Infobell Training\CDAC-Batch-2-Training> git branch pratik
• PS D:\Infobell Training\CDAC-Batch-2-Training> git branch
* nikhil
  pratik
• PS D:\Infobell Training\CDAC-Batch-2-Training> 
```

```
• PS D:\Infobell Training\CDAC-Batch-2-Training> git checkout pratik
Switched to branch 'pratik'
• PS D:\Infobell Training\CDAC-Batch-2-Training> git add .
• PS D:\Infobell Training\CDAC-Batch-2-Training> git status
On branch pratik
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   Hello.py
• PS D:\Infobell Training\CDAC-Batch-2-Training> 
```

Git Commit

```
PS D:\Infobell Training\CDAC-Batch-2-Training> git checkout pratik
Already on 'pratik'
A   Hello.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git commit -m "hello program"
[pratik d5e5781] hello program
 1 file changed, 4 insertions(+)
 create mode 100644 Hello.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git status
On branch pratik
nothing to commit, working tree clean
PS D:\Infobell Training\CDAC-Batch-2-Training> 
```

Git Push

```

nothing to commit, working tree clean
PS D:\Infobell Training\CDAC-Batch-2-Training> git push origin pratik
info: please complete authentication in your browser...
Enumerating objects: 27, done.
Counting objects: 100% (27/27), done.
Delta compression using up to 16 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (18/18), 5.76 KiB | 5.76 MiB/s, done.
Total 18 (delta 7), reused 14 (delta 6), pack-reused 0
remote: Resolving deltas: 100% (7/7), completed with 1 local object.
remote:
remote: Create a pull request for 'pratik' on GitHub by visiting:
remote:   https://github.com/sushmithakongi/CDAC-Batch-2-Training/pull/new/pratik
remote:
To https://github.com/sushmithakongi/CDAC-Batch-2-Training
 * [new branch]      pratik -> pratik
PS D:\Infobell Training\CDAC-Batch-2-Training> 

```

Second Problem (For revision purpose only)

Sample code :

```

Hello.py  git_learning.py X
CDAC-Batch-2-Training > git_learning.py > ...
1  P = int( input("Please enter value for P: "))
2  Q = int( input("Please enter value for Q: "))
3
4  # To swap the value of two variables
5  # we will user third variable which is a temporary variable
6  temp_1 = P
7  P = Q
8  Q = temp_1
9
10 print ("The Value of P after swapping: ", P)
11 print ("The Value of Q after swapping: ", Q)

```

Code Output and Git Cloning :

```

PS D:\Infobell Training> & 'C:\Users\prati\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\prati\.vscode\extensions\ms-python.python-2023.6.0\pythonFiles\lib\python\
y\launcher' '59300' '--' 'D:\Infobell Training\CDAC-Batch-2-Training\git_learning.py'
Please enter value for P: 5
Please enter value for Q: 4
The Value of P after swapping: 4
The Value of Q after swapping: 5
PS D:\Infobell Training> git clone https://github.com/sushmithakongi/CDAC-Batch-2-Training
fatal: destination path 'CDAC-Batch-2-Training' already exists and is not an empty directory.
PS D:\Infobell Training> git add newfile.txt
fatal: pathspec 'newfile.txt' did not match any files
PS D:\Infobell Training> git add git_learning.py
fatal: pathspec 'git_learning.py' did not match any files
PS D:\Infobell Training> git add .
PS D:\Infobell Training> cd CDAC-Batch-2-Training
PS D:\Infobell Training\CDAC-Batch-2-Training> git clone https://github.com/sushmithakongi/CDAC-Batch-2-Training
Cloning into 'CDAC-Batch-2-Training'...
remote: Enumerating objects: 129, done.
remote: Counting objects: 100% (39/39), done.
remote: Compressing objects: 100% (18/18), done.

```

Created a new Branch and using git checkout , We are on **pratik** named branch.

```

remote: Compressing objects: 100% (18/18), done.
Receiving objects: 100% (129/129), 10.47 MiB | 1.60 MiB/s
Receiving objects: 100% (129/129), 10.62 MiB | 1.46 MiB/s, done.
Resolving deltas: 100% (31/31), done.
PS D:\Infobell Training\CDAC-Batch-2-Training> git branch pratik
fatal: a branch named 'pratik' already exists
PS D:\Infobell Training\CDAC-Batch-2-Training> git checkout pratik
Already on 'pratik'

```

Adding the python file using **git clone and git add commands** :

```

PS D:\Infobell Training\CDAC-Batch-2-Training> git add git_learning.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git commit -m "Added new file"
[pratik a045b87] Added new file
 2 files changed, 12 insertions(+)
 create mode 160000 CDAC-Batch-2-Training
 create mode 100644 git_learning.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git status
On branch pratik

```

Pulling the existing data Using **git pull origin <branch name>**:

```

PS D:\Infobell Training\CDAC-Batch-2-Training> git pull origin pratik
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 2
Unpacking objects: 100% (3/3), 99.83 KiB | 394.00 KiB/s, done.
From https://github.com/sushmithakongi/CDAC-Batch-2-Training
* branch          pratik      -> FETCH_HEAD
  d5e5781..b720980  pratik      -> origin/pratik
Merge made by the 'ort' strategy.
  Assignment_1.docx | Bin 0 -> 102649 bytes
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 Assignment_1.docx
PS D:\Infobell Training\CDAC-Batch-2-Training> git status
On branch pratik
nothing to commit, working tree clean
PS D:\Infobell Training\CDAC-Batch-2-Training> git add git_learning.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git push origin pratik
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.

```

Finally again added new file for merging purpose and pushed to the repository :

```

Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 754 bytes | 754.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/sushmithakongi/CDAC-Batch-2-Training
  b720980..9ff8714  pratik -> pratik
PS D:\Infobell Training\CDAC-Batch-2-Training> 

```

```
Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 754 bytes | 754.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/sushmithakongi/CDAC-Batch-2-Training
   b720980..9ff8714  pratik -> pratik
PS D:\Infobell Training\CDAC-Batch-2-Training> █
```

```
PS D:\Infobell Training\CDAC-Batch-2-Training> git pull origin pratik
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 2
Unpacking objects: 100% (3/3), 99.83 KiB | 394.00 KiB/s, done.
From https://github.com/sushmithakongi/CDAC-Batch-2-Training
   * branch                pratik                -> FETCH_HEAD
   d5e5781..b720980  pratik                -> origin/pratik
Merge made by the 'ort' strategy.
 Assignment_1.docx | Bin 0 -> 102649 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Assignment_1.docx
PS D:\Infobell Training\CDAC-Batch-2-Training> git status
On branch pratik
nothing to commit, working tree clean
PS D:\Infobell Training\CDAC-Batch-2-Training> git add git_learning.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git push origin pratik
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.
```

```
PS D:\Infobell Training\CDAC-Batch-2-Training> git add git_learning.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git commit -m "Added new file"
[pratik a045b87] Added new file
 2 files changed, 12 insertions(+)
 create mode 160000 CDAC-Batch-2-Training
 create mode 100644 git_learning.py
PS D:\Infobell Training\CDAC-Batch-2-Training> git status
On branch pratik
```

```
remote: Compressing objects: 100% (18/18), done.  
Receiving objects: 100% (129/129), 10.47 MiB | 1.60 MiB/s  
Receiving objects: 100% (129/129), 10.62 MiB | 1.46 MiB/s, done.  
Resolving deltas: 100% (31/31), done.  
PS D:\Infobell Training\CDAC-Batch-2-Training> git branch pratik  
fatal: a branch named 'pratik' already exists  
PS D:\Infobell Training\CDAC-Batch-2-Training> git checkout pratik  
Already on 'pratik'
```

```
PS D:\Infobell Training> & 'C:\Users\prati\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\prati\.vscode\extensions\ms-python.python-2023.6.0\pythonFiles\lib\python\debugpy\adapter/.  
y\launcher' '59300' '-' 'D:\Infobell Training\CDAC-Batch-2-Training\git_learning.py'  
Please enter value for P: 5  
Please enter value for Q: 4  
The Value of P after swapping: 4  
The Value of Q after swapping: 5  
PS D:\Infobell Training> git clone https://github.com/sushmithakongi/CDAC-Batch-2-Training  
fatal: destination path 'CDAC-Batch-2-Training' already exists and is not an empty directory.  
PS D:\Infobell Training> git add newfile.txt  
fatal: pathspec 'newfile.txt' did not match any files  
PS D:\Infobell Training> git add git_learning.py  
fatal: pathspec 'git_learning.py' did not match any files  
PS D:\Infobell Training> git add .  
PS D:\Infobell Training> cd CDAC-Batch-2-Training  
PS D:\Infobell Training\CDAC-Batch-2-Training> git clone https://github.com/sushmithakongi/CDAC-Batch-2-Training  
Cloning into 'CDAC-Batch-2-Training'...  
remote: Enumerating objects: 129, done.  
remote: Counting objects: 100% (39/39), done.  
remote: Compressing objects: 100% (18/18), done.
```