Basic GIT command
Execution POC

```
Microsoft Windows [Version 10.0.22621.1702]
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D:\TARENTO\git_test>git clone https://github.com/rahulremesan/Tarento_test.g
it
Cloning into 'Tarento_test'...
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.

D:\TARENTO\git_test>cd Tarento_test

D:\TARENTO\git_test\Tarento_test>nano test_file.txt
'nano' is not recognized as an internal or external command,
operable program or batch file.

D:\TARENTO\git_test\Tarento_test>notepad.exe test_file.txt

D:\TARENTO\git_test\Tarento_test>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)
        test_file.txt

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

D:\TARENTO\git_test\Tarento_test>git add test_file.txt

D:\TARENTO\git_test\Tarento_test>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   test_file.txt
```

```
D:\TARENTO\git_test\Tarento_test>git commit -m "test_commit"
[main 2bda91d] test_commit
 1 file changed, 2 insertions(+)
 create mode 100644 test_file.txt

D:\TARENTO\git_test\Tarento_test>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 317 bytes | 317.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/rahulremesan/Tarento_test.git
   b5e5806..2bda91d  main -> main

D:\TARENTO\git_test\Tarento_test>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

D:\TARENTO\git_test\Tarento_test>git diff
diff --git a/test_file.txt b/test_file.txt
index b514180..1a66214 100644
--- a/test_file.txt
+++ b/test_file.txt
@@ -1,2 +1,3 @@
-name = input("Enter your name")
-print(name)
\ No newline at end of file
+for i in range():
+       name = input("Enter your name")
+       print(name)
\ No newline at end of file
```

```
D:\TARENTO\git_test\Tarento_test>git log
commit 2bda91dc1ace42fa5f0b0e3f9c504de9e6716f53 (HEAD -> main, origin/main,
origin/HEAD)
Author: rahul3remesh <rahul3remesh@gmail.com>
Date:   Sun May 21 19:23:48 2023 +0530

    test_commit

commit b5e580663656607cf532a4135204c9cb2f2fdf37
Author: Rahul R <75964937+rahulremesan@users.noreply.github.com>
Date:   Sun May 21 19:11:42 2023 +0530

    Initial commit

D:\TARENTO\git_test\Tarento_test>git branch
* main

D:\TARENTO\git_test\Tarento_test>git branch test_branch

D:\TARENTO\git_test\Tarento_test>git branch
* main
  test_branch

D:\TARENTO\git_test\Tarento_test>git checkout test_branch
Switched to branch 'test_branch'
M       test_file.txt

D:\TARENTO\git_test\Tarento_test>git branch
  main
* test_branch

D:\TARENTO\git_test\Tarento_test>git add test_file.txt

D:\TARENTO\git_test\Tarento_test>git status
On branch test_branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   test_file.txt
```

```
D:\TARENTO\git_test\Tarento_test>git push -u origin test_branch
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 338 bytes | 338.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'test_branch' on GitHub by visiting:
remote:        https://github.com/rahulremesan/Tarento_test/pull/new/test_bran
ch
remote:
To https://github.com/rahulremesan/Tarento_test.git
 * [new branch]      test_branch -> test_branch
Branch 'test_branch' set up to track remote branch 'test_branch' from 'origi
n'.

D:\TARENTO\git_test\Tarento_test>git log
commit 305dfb834495747fe4ba7aa8503d742502e04223 (HEAD -> test_branch, origin
/test_branch)
Author: rahul3remesh <rahul3remesh@gmail.com>
Date:   Sun May 21 19:35:44 2023 +0530

    new_branch_push

commit 2bda91dc1ace42fa5f0b0e3f9c504de9e6716f53 (origin/main, origin/HEAD, m
ain)
Author: rahul3remesh <rahul3remesh@gmail.com>
Date:   Sun May 21 19:23:48 2023 +0530

    test_commit

commit b5e580663656607cf532a4135204c9cb2f2fdf37
Author: Rahul R <75964937+rahulremesan@users.noreply.github.com>
Date:   Sun May 21 19:11:42 2023 +0530

    Initial commit
```

```
D:\TARENTO\git_test\Tarento_test>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

D:\TARENTO\git_test\Tarento_test>git branch
* main
  test_branch

D:\TARENTO\git_test\Tarento_test>git checkout test_branch
Switched to branch 'test_branch'
Your branch is up to date with 'origin/test_branch'.

D:\TARENTO\git_test\Tarento_test>git add test_file.txt

D:\TARENTO\git_test\Tarento_test>git commit -m "second test commit"
[test_branch 8bce9f3] second test commit
 1 file changed, 2 insertions(+), 1 deletion(-)

D:\TARENTO\git_test\Tarento_test>git diff

D:\TARENTO\git_test\Tarento_test>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

D:\TARENTO\git_test\Tarento_test>git branch
* main
  test_branch

D:\TARENTO\git_test\Tarento_test>git merge test_branch
Updating 2bda91d..8bce9f3
Fast-forward
 test_file.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

D:\TARENTO\git_test\Tarento_test>git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)
```

```
D:\TARENTO\git_test\Tarento_test>git add test_file.txt

D:\TARENTO\git_test\Tarento_test>git commit -m "Final commit"
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

D:\TARENTO\git_test\Tarento_test>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 318 bytes | 318.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/rahulremesan/Tarento_test.git
   2bda91d..8bce9f3  main -> main
```

```
D:\TARENTO\git_test\Tarento_test>git branch
* main
  test_branch
  test_branch2

D:\TARENTO\git_test\Tarento_test>git branch -d test_branch2
Deleted branch test_branch2 (was 8bce9f3).

D:\TARENTO\git_test\Tarento_test>git log
commit 8bce9f30c893a206a56ed4e289abfa1c01dab9ee (HEAD -> main, origin/main,
origin/HEAD, test_branch)
Author: rahul3remesh <rahul3remesh@gmail.com>
Date:   Sun May 21 19:45:08 2023 +0530

    second test commit

commit 305dfb834495747fe4ba7aa8503d742502e04223 (origin/test_branch)
Author: rahul3remesh <rahul3remesh@gmail.com>
Date:   Sun May 21 19:35:44 2023 +0530

    new_branch_push

commit 2bda91dc1ace42fa5f0b0e3f9c504de9e6716f53
Author: rahul3remesh <rahul3remesh@gmail.com>
Date:   Sun May 21 19:23:48 2023 +0530

    test_commit

commit b5e580663656607cf532a4135204c9cb2f2fdf37
Author: Rahul R <75964937+rahulremesan@users.noreply.github.com>
Date:   Sun May 21 19:11:42 2023 +0530

    Initial commit

D:\TARENTO\git_test\Tarento_test>git branch
* main
  test_branch

D:\TARENTO\git_test\Tarento_test>
```