

Git and Github

Git clone:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4170]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rhishika\Documents\DBA\demoprj>git clone https://github.com/Rhdhok/Javalearning.git
Cloning into 'Javalearning'...
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.

C:\Users\Rhishika\Documents\DBA\demoprj>
```

Git add .

```
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning
'Javalearning' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Rhishika\Documents\DBA\demoprj>cd Javalearning
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git add .
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>
```

Git commit

```
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git commit -m "add hello.txt file"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Rhishika@DESKTOP-HOP7QP.(none)')
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git config --global user.email "rhishikadhok@gmail.com"
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git config --global user.name "Rhdhok"
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git commit -m "add hello.txt file"
[main b77e91a] add hello.txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Hello.txt
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>
```

Git push

```
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git push
info: please complete authentication in your browser...
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), 280 bytes | 280.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Rhdhok/Javalearning.git
   bec7f79..b77e91a  main -> main
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>
```

Git status

```
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>.." to update what will be committed)
  (use "git restore <file>.." to discard changes in working directory)
        modified:   Hello.txt

no changes added to commit (use "git add" and/or "git commit -a")
C:\Users\Rhishika\Documents\DBA\demoprj>Javalearning>
```

Git checkout

```
C:\Users\Rhishika\Documents\DBA\demoprj\Javalearning>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 313 bytes | 313.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Rhishika/Javalearning.git
   b77a91a..d8dcb9d  main -> main

C:\Users\Rhishika\Documents\DBA\demoprj\Javalearning>git checkout -b branch1
Switched to a new branch 'branch1'

C:\Users\Rhishika\Documents\DBA\demoprj\Javalearning>
```

Git branch

```
C:\Users\Rhishika\Documents\DBA\demoprj\Javalearning>git checkout -b branch1
Switched to a new branch 'branch1'

C:\Users\Rhishika\Documents\DBA\demoprj\Javalearning>git branch
* branch1
  main

C:\Users\Rhishika\Documents\DBA\demoprj\Javalearning>
```

The screenshot shows the GitHub web interface for the repository 'Rhishika/Javalearning'. The URL in the browser is 'https://github.com/Rhishika/Javalearning/tree/branch1'. The repository is public and has 2 branches and 0 tags. A yellow banner indicates that 'branch1' had recent pushes 56 seconds ago. Below this, a table lists the commit history for 'branch1', showing that it is 1 commit ahead of 'main'. The commit history includes:

Commit	Author	Message	Time
e592677	Rhishika	add goodday.txt file	3 minutes ago
		add new text to hello.txt file	9 minutes ago
		Initial commit	14 hours ago

The 'README' file is also visible, titled 'Javalearning' with the subtitle 'Basic java Programs'. On the right side, there are sections for 'About' (Basic java Programs), 'Releases' (No releases published), and 'Packages' (No packages published).