```
NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full (main)
$ git clone https://github.com/iampriyamsaini/git_demo2.git
Cloning into 'git_demo2'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full (main)
$ cd git_demo2

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (main)
$ git checkout -b dev
Switched to a new branch 'dev'

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ git push origin dev
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'dev' on GitHub by visiting:
remote:        https://github.com/iampriyamsaini/git_demo2/pull/new/dev
remote:
To https://github.com/iampriyamsaini/git_demo2.git
 * [new branch]      dev -> dev

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ git checkout  dev
Already on 'dev'

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ git status
On branch dev
nothing to commit, working tree clean

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ touch add.java

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ nano add.java
```

Command	Description
git clone https://github.com/iampriyamsaini/git_demo2.git	Clones the git_demo2 repository to your local machine.
cd git_demo2	Changes into the cloned repository folder.
git checkout -b dev	Creates and switches to a new branch named dev.
git push origin dev	Pushes the new dev branch to GitHub.

Command	Description
git checkout dev	Switches to the dev branch (redundant here).
git status	Shows the current Git status of files.
touch add.java	Creates a new empty Java file add.java.
nano add.java	Opens add.java in the Nano text editor for editing.

```
NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ javac add.java

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ java add
Enter first number: 5
Enter second number: 5
Addition: 10

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ git add add.java
warning: in the working copy of 'add.java', LF will be replaced by CRLF the next
 time Git touches it

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ git commit -m "Addition function"
[dev a7c3d61] Addition function
 1 file changed, 18 insertions(+)
 create mode 100644 add.java

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$ git push origin dev
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 483 bytes | 120.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/iampriyamsaini/git_demo2.git
   3878ddb..a7c3d61  dev -> dev

NAKUL UPADHYAY@LAPTOP-HBUNSH99 MINGW64 /d/full/git_demo2 (dev)
$
```

Command	Description
javac add.java	Compiles the Java file into bytecode (add.class).
java add	Runs the compiled Java program (add.class).
git add add.java	Stages the Java file for commit.

git commit -m "Addition function"	Commits the staged Java file with a descriptive message.
git push origin dev	Pushes the changes in the dev branch to GitHub.
git clone https://github.com/iampriyamsaini/git_demo2.git	(Again) Clones the same repo – maybe on a different machine or folder.