

Q4. How to delete one or more commits permanently ? Write command for it.

>

To delete one or more commits the reset –hard command can be used this deletes the commits permanently. It can be used as :

```
$ git reset –hard hash-code
```

The above command will reset the repository back to the commit whose hash-code has been mentioned.

```
$ git reset –hard HEAD~n
```

The above command will delete the most recent commits and will go back to the nth commit that was made before the current HEAD.

```
MINGW64:/c/Users/Jayant Ghadge/git_test

Jayant Ghadge@LAPTOP-N04E9TJ8 MINGW64 ~/git_test (master)
$ git log
commit 0516fa89776d1d2292c599d9886bef411afc2534 (HEAD -> master)
Author: ghadgejayant12 <jayant.ghadge@joshsoftware.com>
Date: Thu Jan 5 15:55:20 2023 +0530

    This is commit C1

    This is commit C2

    This is commit C3

commit 2df738575e63b754413340e84a6fe5d8e89d46d6
Author: ghadgejayant12 <jayant.ghadge@joshsoftware.com>
Date: Thu Jan 5 15:49:45 2023 +0530

    created a new commit

commit 2d2b7721d05927fa523d55e01d5e8c0540c1cd59
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 13:20:00 2023 +0530

    this is new;

commit 4be0b6080bcd157c412fa599d096446ef8048043
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 13:07:04 2023 +0530

    This is the end

commit 87b8a96fa68da0430a858f2b85d9a8848b1537f1
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:48:30 2023 +0530

    some changes were made

commit 8568125754cac9511f1811778fbf0ed84531c4b4
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:45:37 2023 +0530

    added a new folder

commit 57422ff9fd4c11427eaea0fa3a82ca0acccb94d3
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:43:34 2023 +0530

    this is another commit

commit 26524346ac2b4151f9d176d469502da5465174af
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:38:27 2023 +0530

    First commit

Jayant Ghadge@LAPTOP-N04E9TJ8 MINGW64 ~/git_test (master)
$ |
```

```
Jayant Ghadge@LAPTOP-N04E9TJ8 MINGW64 ~/git_test (master)
$ git reset --hard HEAD~1
HEAD is now at 2df7385 created a new commit

Jayant Ghadge@LAPTOP-N04E9TJ8 MINGW64 ~/git_test (master)
$ git log
commit 2df738575e63b754413340e84a6fe5d8e89d46d6 (HEAD -> master)
Author: ghadgejayant12 <jayant.ghadge@joshsoftware.com>
Date: Thu Jan 5 15:49:45 2023 +0530

    created a new commit

commit 2d2b7721d05927fa523d55e01d5e8c0540c1cd59
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 13:20:00 2023 +0530

    this is new;

commit 4be0b6080bcd157c412fa599d096446ef8048043
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 13:07:04 2023 +0530

    This is the end

commit 87b8a96fa68da0430a858f2b85d9a8848b1537f1
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:48:30 2023 +0530

    some changes were made

commit 8568125754cac9511f1811778fbf0ed84531c4b4
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:45:37 2023 +0530

    added a new folder

commit 57422ff9fd4c11427eaea0fa3a82ca0acccb94d3
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:43:34 2023 +0530

    this is another commit

commit 26524346ac2b4151f9d176d469502da5465174af
Author: Dextro-flak99 <ghadgejayant929@gmail.com>
Date: Wed Jan 4 12:38:27 2023 +0530

    First commit

Jayant Ghadge@LAPTOP-N04E9TJ8 MINGW64 ~/git_test (master)
$ |
```