

# GitLab - Git Commands

## Description

Git commands are used for sharing and combining the code easily with other developers.

## Git Commands

Following are the some basic Git commands can be used to work with Git –

The version of the Git can be checked by using the below command –

```
$ git --version
```

Add Git username and email address to identify the author while committing the information. Set the username by using the command as –

```
$ git config --global user.name "USERNAME"
```

After entering user name, verify the entered user name with the below command –

```
$ git config --global user.name
```

Next, set the email address with the below command –

```
$ git config --global user.email "email_address@example.com"
```

You can verify the entered email address as –

```
$ git config --global user.email
```

Use the below command to check the entered information –

```
$ git config --global --list
```

You can pull the latest changes made to the master branch by using the below command –

```
$ git checkout master
```

You can fetch the latest changes to the working directory with the below command –

```
$ git pull origin NAME-OF-BRANCH -u
```

Here, NAME-OF-BRANCH could be 'master' or any other existing branch.

Create a new branch with the below command –

```
$ git checkout -b branch-name
```

You can switch from one branch to other branch by using the command as –

```
$ git checkout branch-name
```

Check the changes made to your files with the below command –

```
$ git status
```

You will see the changes in red color and add the files to staging as –

```
$ git add file-name
```

Or you can add all the files to staging as –

```
$ git add *
```

Now send your changes to master branch with the below command –

```
$ git push origin branch-name
```

Delete the all changes, except unstaged things by using the below command –

```
$ git checkout .
```

You can delete the all changes along with untracked files by using the command as –

```
$ git clean -f
```

To merge the different branch with the master branch, use the below command –

```
$git checkout branch-name  
$ git merge master
```

You can also merge the master branch with the created branch, by using the below command –

```
$git checkout master  
$ git merge branch-name
```