

## GIT TUTORIAL

1) saving and sharing program listings are common programmer problems. One should find git repository as great solution for publication.

2) sign up to GitHub or Bitbucket

3) install git program:

```
#sudo apt-get install git
```

4) configure github account:

```
#git config --global user.email „githubAccount@email”
```

```
#git config --global user.name „githubUser”
```

5) add local repository for creating new project

```
#git init
```

6) create new repository on your Github account ( via internet explorer ) and add locally:

```
#git remote add origin https://fromGitHubAccountRepositoryAddress
```

7) write / add some code and add to repository:

```
#git status
```

```
#git add .
```

8) local repo save:

```
#git commit -m „comments on your code publically available”
```

9) first remote repo save:

```
#git push --set-upstream origin master
```

10) standard remote repo save ( P.S. for basic usage above mentioned steps are sufficient! );

```
#git push
```

11) add new brach ( f. e. there are more than one programmer ) to repo:

```
#git branch branchName
```

12) branch programm view:

```
#git checkout branchName
```

13) first save remotely branch:

```
#git push --set-upstream origin branchName
```

14) standard remote repo save:

```
#git push origin branchName
```

15) join ( merge ) few branches in one:

```
#git merge origin/branchName
```

```
#git push
```

16) joining conflicts – meld package:

```
#sudo apt-get install meld
```

```
#git mergetool
```

```
#git commit -m „comments on branches joining”
```

```
#git push
```

17) commits and local changes management:

```
#sudo apt-get install -y gitk git-gui
```

```
#gitk          #commits
```

```
#git gui       #local changes
```

18) add new files as single lines or pieces:

```
#git add -N .
```

19) pull remote changes as information only:

```
#git fetch --all
```

1) downloading some repository from Internet - firstly install git program:

```
#sudo apt-get install git
```

2) configure github account:

```
#git config --global user.email „githubAccount@email”
```

```
#git config --global user.name „githubUser”
```

3) download ( clone ) repo:

```
git clone https://repositoryAddress
```