

1. INSTALLING GIT
2. `$ git --version`
- 3.
4. SETTING CONFIG VALUES
1. `$ git config --global user.name "uttam.patra.kumar"`
2. `$ git config --global user.email "uttampat@gmail.com"`
3. `$git config --list`
- 4.
5. NEED HELP
6. `$ git help config`
7. `$ git config --help`
- 8.
9. LOCAL REPOSITORY (Create a local repo)
10. `$ git init`
11. `ls -la`
12. `rm -rf .git` (to remove git folder)
- 13.
14. BEFORE COMMITTING ANYTHING
15. `$ git status`
- 16.
17. IGNORE FILES
18. Create a .gitignore file and add the files/folder you want to ignore(eg. .DS_Store, .project, *.pyc)
- 19.
20. working Directory --> Staging Area --> .git directory(Repository)
- 21.
22. ADD FILES TO STAGING AREA
23. `$ git add -A` (add all the files)
24. `$ git add calc.py` (add individual file to staging area)
25. `$ git status`
- 26.
27. REMOVE FILES FROM STAGING AREA
28. `$ git reset` (remove all the files)
29. `$ git reset calc.py` (remove individual files)
- 30.
31. COMMIT FILES
32. `$ git add -A`
33. `$ git commit -m "Initial Commit"`
34. `$ git status.` (Working directory is clean)
35. `$ git log`
36. `$ git log --oneline`
- 37.
38. LOCAL REPOSITORY TASK OVER
- 39.
40. NOW PUSH THE CODE TO REMOTE REPOSITORY
41. `$ git remote add origin https://github.com/Uttam1982/sample-test.git`
42. `$ git push -u origin master`
- 43.
44. CLONING A REMOTE REPOSITORY
45. `$ https://github.com/Uttam1982/python-test.git`

- 46.
47. VIEWING INFORMATION ABOUT THE REMOTE REPOSITORY
48. `$ git remote -v`
49. `git branch -a`
- 50.
51. Now Make some changes to your Local repo python-test
- 52.
53. COMMIT CHANGES LOCALLY
54. `$ git diff`
55. `$ git status`
56. `$ git add -A`
57. `$ git commit -m "Modified multiply function"`
- 58.
59. PUSHING CHANGES TO REMOTE
60. `$ git pull origin master`
61. `$ git push origin master`
- 62.
63. BRANCHING
64. CREATE A BRANCH FOR DESIRED FEATURE
65. `$ git branch calc-subtract`
66. `$ git branch` (shows list of branches and the current branch)
67. `$ git checkout calc-subtract`
68. `$ git branch` (shows list of branch and the current branch)
- 69.
70. MAKE CHANGES TO YOUR FILE
71. `$ git diff`
72. `$ git status`
73. `$ git add -A`
74. `$ git commit -m "subtract function"`
- 75.
76. AFTER COMMIT PUSH BRANCH TO REMOTE
77. `$ git push -u origin calc-subtract` (pushed the branch to remote-repository)
78. `$ git branch -a` (shows local branches and remote branches)
- 79.
80. MERGE A BRANCH WITH MASTER
81. `$ git checkout master`
82. `$ git pull origin master`
83. `$ git branch --merged`
- 84.
85. `$ git merge calc-subtract`
86. `$ git push origin master`
- 87.
88. DELETING A BRANCH LOCALLY
89. `$ git branch --merged`
90. `$ git branch -d calc-subtract`
- 91.
92. `$ git branch -a` (shows local branches and remote branches)
- 93.
94. DELETING A BRANCH REMOTE REPOSITORY
95. `$ git push origin --delete calc-subtract`

- 96.
97. `$git branch -a`
- 98.
99. TO REMOVE FOLDER/DIRECTORY ONLY FROM GIT REPOSITORY AND NOT FROM THE LOCAL TRY 3 SIMPLE COMMANDS.
100. Steps to remove directory
101. `git rm -r --cached FolderName`
102. `git commit -m "Removed folder from repository"`
103. `git push origin master`
- 104.
105. DELETE FOLDER
106. `git rm -rf <directory_name>`
107. `rm -r folderName` (There is no need to involve Git.)