

Exp no 01

Basic Git Commands

Creating a working directory

```
suganth_krishna@localhost:~> sudo mkdir /home/github2CreditLab  
[sudo] password for root:
```

Change to working directory

```
suganth_krishna@localhost:~> cd /home/github2CreditLab  
suganth_krishna@localhost:/home/github2CreditLab> █
```

Creating a configuration for username and email on github

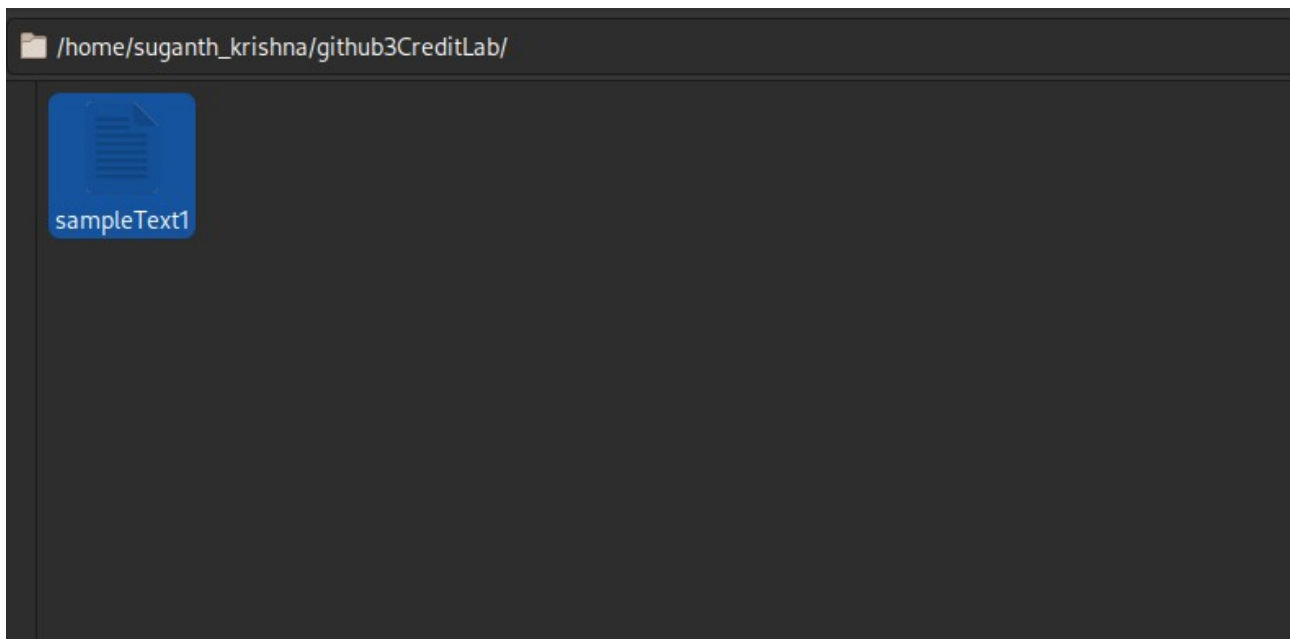
```
suganth_krishna@localhost:/home/github2CreditLab> git config --global user.name "Suganth-Krishna-E"  
suganth_krishna@localhost:/home/github2CreditLab> git config --global user.email "suganthkrishnae.21aim@kongu.edu"
```

Initializing git in local machine

```
suganth_krishna@localhost:~/github3CreditLab> git init  
hint: Using 'master' as the name for the initial branch. This default branch name  
hint: is subject to change. To configure the initial branch name to use in all  
hint: of your new repositories, which will suppress this warning, call:  
hint:  
hint:   git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:   git branch -m <name>  
Initialized empty Git repository in /home/suganth_krishna/github3CreditLab/.git/
```

Adding simple file into repo

- Create a sample file in the working directory



-Add it to current repo(default=Master)

```
suganth_krishna@localhost:~/github3CreditLab> git add sampleText1
suganth_krishna@localhost:~/github3CreditLab> █
```

Commit the data that is inserted

```
suganth_krishna@localhost:~/github3CreditLab> git commit -m "Data inserted"
[master (root-commit) 88ea7c2] Data inserted
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 sampleText1
suganth_krishna@localhost:~/github3CreditLab> █
```

Check the status of the files

```
suganth_krishna@localhost:~/github3CreditLab> git status
On branch master
nothing to commit, working tree clean
suganth_krishna@localhost:~/github3CreditLab> █
```

Check the log of git

```
commit 88ea7c26c83cfed08f619e6a34feb64a91aa8dbd (HEAD -> master)
Author: Suganth-Krishna-E <suganthkrishnae.21aim@kongu.edu>
Date: Sat Feb 24 14:03:04 2024 +0530
```

```
    Data inserted
```

```
~
```