

Day 1

Q) What is Git & how to install Git in your system & How do you set the user name and user email configuration?

(A) Git → Git is a distributed Version Control System. It keeps track of any changes you make to your files and folders.

\* Installation of Git →  
\$ sudo apt install git-all

\* To know the Git Version →  
\$ git --version  
or = Git Version 2.25.0

\* Setup your user name and email →  
\$ git config --global user.name "YourUser.name"  
\$ git config --global user.email "YourUser.email"

\* To check if the configurations have been set properly or not →  
\$ git config --list  
user.name = "  
user.email = "

\* It is important to set the user name and user email because these configurations are used to track your changes.

Q2) How do you initialize a directory to be tracked by Git?

Ans) Suppose you are working on a project. Let's create a folder called project-hello-world and change its directory.

```
$ mkdir project-helloworld
$ cd project-helloworld
```

\* Now you can tell Git to monitor this directory using this command

```
$ git init
```

O/P: initialized empty Git repository in /c / user / D / ...

Q3) What are the basic Git commonly terms?

\* The basic commands of Git are:

\* Status = it shows the current condition of files

\* log = it shows the history.

\* add =

\* Commit =

\* \$ git status = by default it will show master branch but we can create our own branch.

O/P = on branch master  
nothing to commit

\*  $\text{Log} = \$ \text{log}$

O/P = ~~file~~: Your current branch 'master' does not have any commits yet

\* We can create a file here by using nano  
file name will be index.html

\* Now if we will use  $\$ \text{log}$  command  
then it will show all ~~untracked~~ files:

(Use "git add <file>..." to include in what will be committed)

index.html

Nothing added to commit but untracked files present (use "git add" to track)

\* Git is saying that you have a file index.html in your working directory that is untracked.

\* So for tracking the index.html we have to use add command  
\$ git add index.html  
\$ git add . (To add everything in directory)

\* Now check \$ git status and O/P  
Will be like  
On branch master  
initial commit

Changes to be committed:

(use "git rm --cached <file>..." to untrack)

New file: index.html (in directory)



\* To Uncompress a file  
\$ git rm --cached index.html

Your index.html will go back to Uncompressed  
status you will have to add it  
again to bring it back to Angles.

\* Let's check log again

\$ git log

o/p = 'master' does not have any commit yet

\* Let's commit

\$ git commit -m "commit"

Ex. \$ git commit -m "committing index.html" it will be added

O/P = commit (not-commit) f136222 committing index.html

1 file changed, 6 insertions(+)

create mode 100644 index.html

\* \$ git log

o/p

Q4) Write the steps to create SSM box?

\* To Create New key We have to use following Command:

SSH - korden til edssig - C" Cornilla"

→ Name Help

9 Erw

754.2

$\rightarrow E_{\text{max}}$

$$+ \dots [E_{Q2559} 256] \dots +$$

$\frac{1}{S} = \frac{1}{\infty}$

x If now we will do it - as we will  
see a fire - then we  
fire and copy it.

\* Hence Key is Created.

Q5) How to authenticate the public key with git hub?

⇒ Stiel 1 = oben 2. Stiel

2= go to station

3 = SSH and ~~gpg~~ key (click it)

4 = Give tie and putte be her in discussion

$S =$  Ciphertext key.

6 = Create a repo in Github

7 = Now run all the (commut.) which is

Report in Veto in formian, one by me



→ at last ~~it~~ Push -v a user can  
Now it will ask user name  
Password for 'http://httpbin.com':  
We need to create a token  
token will be created in Settings → Developer  
Settings → Format screen token → Generate New token →  
title → tick all boxes → generate token → Get token  
and Paste it in Password → Now you  
Successfully pushed your file in it