

git

1) Git is a popular open source version control system like CVS or SVN.

2) Installation of git

1) install git using following command
`$ sudo apt-get install git`

2) to get the version or can verify the installation, use `$ git --version`.

3) create a local repository and add a file

4) Check for the init configuration,

if the configuration is not done then use command.

`$ git config --global user.email sam@email.com`

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

5) commit with a descriptive message.

`$ git commit -m "Hello"`

6) ~~also~~ generate the public/private key using ssh command.

`$ ssh-keygen -t ed25519/rsa`

7) store the generated key in a file

8) copy the generated key and paste it in the repository SSH-key block.

9) if the permission is denied then use the ssh-agent.

`eval $(ssh-agent)`

exec

10) push the file to repository of git.
`git add <filename>`

Functions :

Function is a command in linux which is used to execute functions or methods.

1) Using function keyword:

A function in linux can be declared by using keyword function before the name of the function.

```
function name {  
  commands;  
}
```

Eg:- function hello {
 }

② Using parenthesis:-

A function can also be declared by using parenthesis after the name of the function. Different statements can be separated by a semicolon on a new line.

```
name() { commands; }
```

Eg:- say-ac)
{
 echo ab }

③ Parameterized function

```
function add  
{
```

```
  a=$1
```

```
  b=$2
```

```
  add=$((a+b))
```

echo \$add

↓

add 3 4

\$1 will display the first argument that will be sent and \$2 will display the second argument so on.