Q) What is Git and its functionalities?

→ Git is a version control system used for tracing changes in computer files.

→ It is generally used for source code managment in software development.

→ Git is used to trace source code when changed.

→ The distributed version control tool is used for code managment.

→ It allows multiple developers to work together.

→ To support non-linear developmat through its thousand of parallel branches.

Features of Git

→ Tracks history.

→ Free and open source.

→ It supports non-linear development.

→ Branching is easy and simple.

→ It supports collabration.

Q) How can we install git with the ubuntu default package manager.

→ First we use the apt package managemnt tools to update our local package index.

Sudo apt-get update.

→ $ Sudo apt get install git

we can confirm that we have installed git connect by running the following command and checking that we recieve relivent output.

```
$ get version
  get version 2.25.7
```

→ we have to create repo in git hub profile.

For generating ssh key in ubuntu os command.

```
$ ssh -keygen + ed 25519_C "ashu@git"
```

Here after creating public and private by.
we have to search. Pub file in particular directory where as have Executed the above commands.

Then we have to open key-pub file and copy the GPh key.

After that we have to click into new ssh key on right side and copied key we have paste over key description along with title and the new ssh key will be associted with newest account.

→ Now to clone a repository in terminal.

(a) open the terminal.

(b) Change the current working directory to the location where we want to clone directory.

(c) Type git clone, and then paste the URL as we copied earlier from the particular repo.

$ git clone http://github.com/Recids1/CSS.remedial.

→ Now pass the command
git init.

→ This for login use command

$ git remote add origin "http://github.com/Recids/CSS.remedial.

→ $ git remote -v (for checking the available options)

→ Now for pushing into github repository necessary steps.

$ git add Emp.sh

Now for commity into the file.
$ git commit on "my commit"

papergrid

Date: / /

Here is 3rd step we have to create token in github account for that

Goto Setting → Developer Settings → personal access token and Generate new token by selecting repo and token number will be Generated.

Goto terminal

$ get push -u origin master.

Eg:- username for : https://github.com/remedial_notes
password for : https://remedial_notes@github.com.
Enumerating object : 3 done.