Q. What is GitHub?
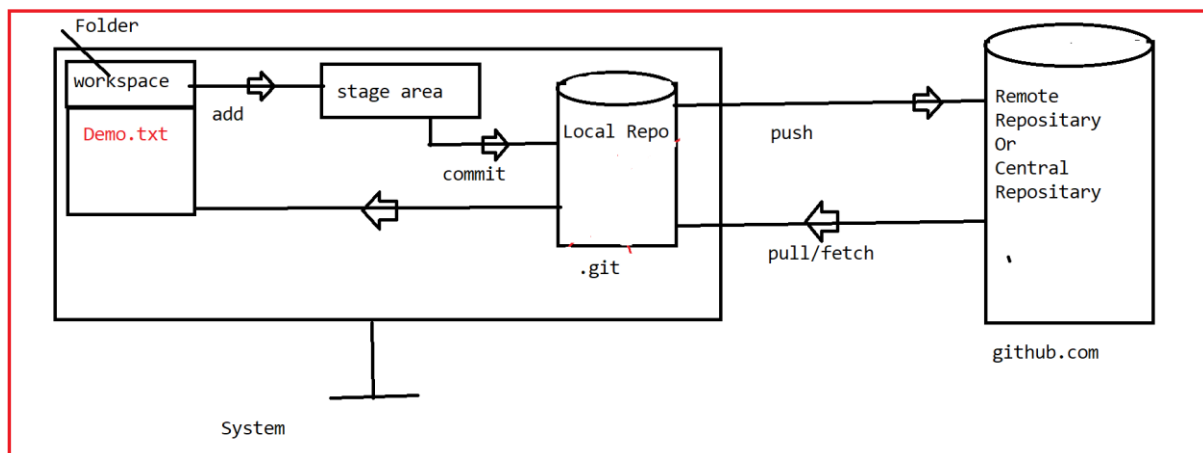Ans: GitHub is code repositary tool.

Q. What is mean by repositary?

Ans: It is a memory or storage place where all project related files
     are maintained.

     .html files, .css files, .xml files, .js files, .properties
     .java,.c files,

     We have different code repositary tool lik -SVN, GitHub, BitBucket,
     IBM Relational
     Rational Case(CC), Accurev

GitHub Architecture / Git Flow
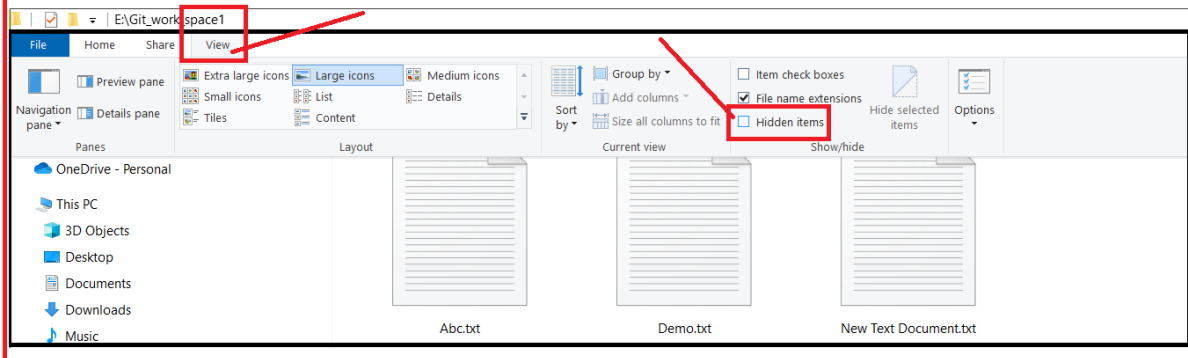

1) Create an Empty Folder --> Git_work_space

2) Mark this Folder as git folder or Local Repositary through the git bash
command

Open git bash and type git init command and press enter

Ones this command executed successfully then one new folder get created named
with .git

some times .git folder is hidden if this folder is not visible then
you need to follow below step to make it visible

On menu bar --> view --> select hidden file checkbox

2. Create 2/3 Text Files like Abc.txt, Fiel1.txt, File2.txt

3. Then check git repositary status using git status command
   after executing git status command we will get repositary status
   and in that status following information will display

   i) Untracked Files - > The files which are modified or newly added
        Al these Untracked Files are displyed in Red color

  ii) Staged files or Tracked files --> Files present in staging area.
        The files which are present in staging area are displayed in green color

The files which are Untracked those files we can add into staging area by using
git add command and syntax of git add command is as below

Syntax

git add File_name

Example

git add Abc.txt

if we want to add multiple files into staging area then
use below command

git add *   or

or   git add --a

git add --all

To send files from staging area to Local Repositary

1) to send files from staging area to local repositary we use command

   git commit

Syntax : ->   git commit -m "Commit Message"

Example : ->   git commit -m "My initial commit"

Ones this command executed all staging area files get added into local repository

To send files from Local Repositary to Central or Remote Repositary or Git Hub

Case 1: If we have created local repositary manually using git init command and if you are sending local repositary files into Remote Repositary first time then use below command

git remote add origin Remote_repositary_url

Example :

git remote add origin https://github.com/rrd-tnp/demo-01.git

Above command create link between local repositary and Remote Rpositary

But actual files get pushed using below command

git push -u origin master

From second time onwords if we want to send local repositary files to Remote repositary then use push command

syntax:

git push

If we are unable to pus files into central repository then we need to do some configuration

like user name configuration and email configuration

to configure user name then use below command

To configure user name

```
git config --global user.name "rrd-tnp"
```

To configure email

```
git config --global user.email "MY_NAME@example.com"
```