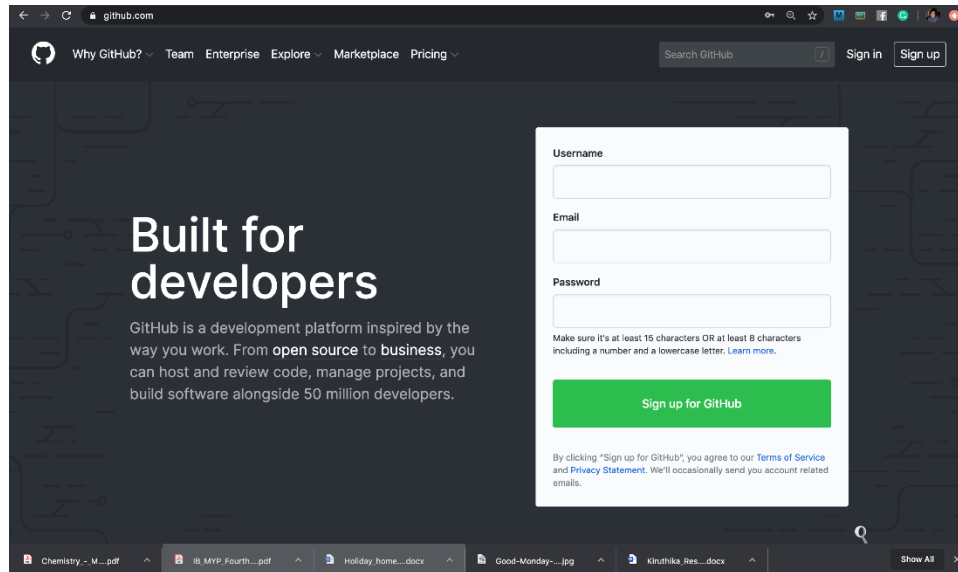
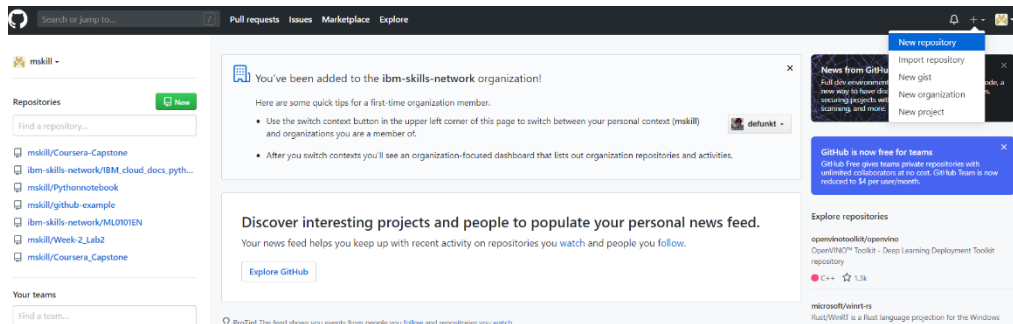


GITHUB – PART-1

- 1) Create a GitHub account using <https://github.com/>. Use your personal email address and official emails come with restrictions.



- 2) Create a new repository (it's a container where all stuff goes) using the + sign as shown below:





- 3) Provide the necessary details like repository name. Select repository as Public and initialize the README. Click 'Create'

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner **Repository name ***

 mskill / demo 

Great repository names are short and memorable. Need inspiration? How about [silver-octo-system](#)?




Description (optional)

☒ **Public**
Anyone can see this repository. You choose who can commit.

☐ **Private**
You choose who can see and commit to this repository.

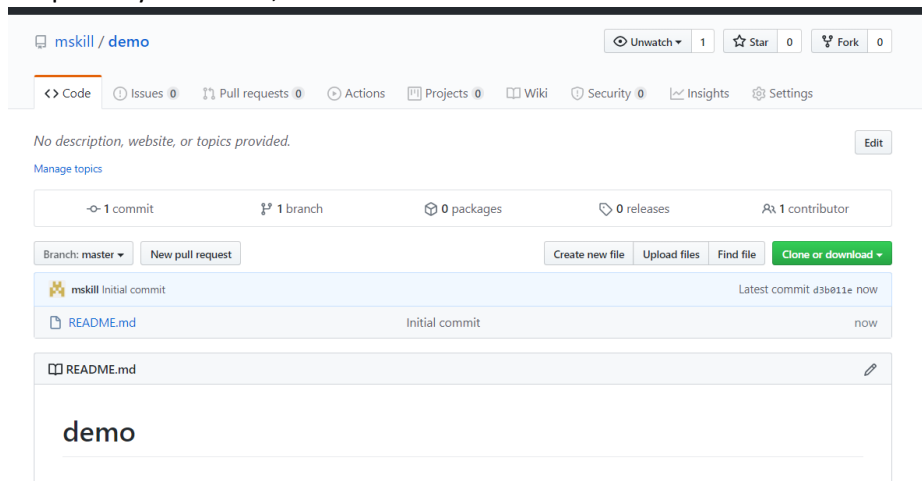
Skip this step if you're importing an existing repository.

☒ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer.

Add .gitignore: **None**  Add a license: **None**  

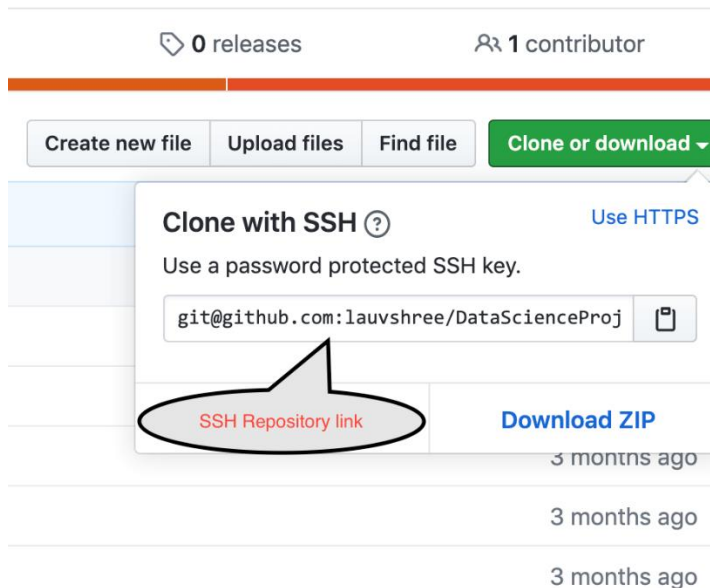
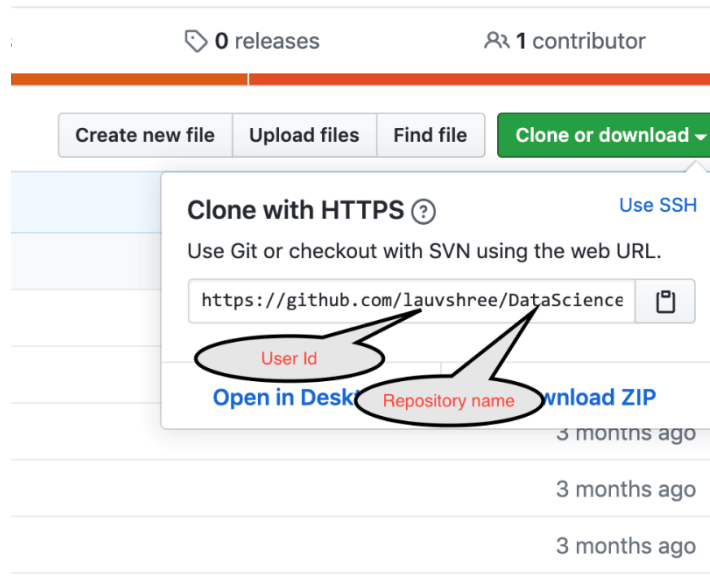
Create repository

4) Now, your repository is created, and it looks as:



The screenshot shows the GitHub repository page for 'mskill / demo'. At the top, there are statistics: 1 Unwatch, 0 Stars, and 0 Forks. Below this is a navigation bar with links to Code, Issues (0), Pull requests (0), Actions, Projects (0), Wiki, Security (0), Insights, and Settings. The main content area shows 'No description, website, or topics provided.' with an 'Edit' button. Below this, it says 'Manage topics'. A summary bar shows '1 commit', '1 branch', '0 packages', '0 releases', and '1 contributor'. There are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The commit history shows 'mskill Initial commit' as the latest commit. Below the commit history, there is a file list showing 'README.md' as the initial commit. The README content is visible, showing the word 'demo'.

5) To download the repository, we have option 'Clone and download'. Also, there are two options to copy repository locally using 'SSH' and 'HTTPS'




- 6) Copy the SSHRepositoryLink on to your clipboard.
- 7) These instructions presume that you have SSH key generated. However, if you don't have one please follow the step-by-step procedure in this [link](https://help.github.com/en/enterprise/2.15/user/articles/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent) (<https://help.github.com/en/enterprise/2.15/user/articles/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>) before you proceed further.
- 8) Open the command prompt or terminal to use the GitHub commands:
To change the directory simply use:
`cd <name of the directory you want to change to>`

To go to the folder “**Downloads**” use: `cd Downloads`

Create a empty folder in Downloads using SSH repository link that we have created in GitHub Repository as:

`git clone pastesshrepositorylinkhere`

 Command Prompt

```
Microsoft Windows [Version 10.0.17763.1217]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Skill07>cd
C:\Users\Skill07

C:\Users\Skill07>cd Downloads

C:\Users\Skill07\Downloads>git clone git@github.com:mskill/demo.git
Cloning into 'demo'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

C:\Users\Skill07\Downloads>
```

Now, the folder is copied to my ‘Downloads’. Just check the ‘Downloads’ have you got the folder demo?

- 9) To check my folder, enter the folder using cd command again as:

`cd demo`

- 10) Get the list of the files in the folder demo, use:

For Windows: `dir`

For Mac: `ls`

```

C:\Users\Skill07\Downloads\demo>dir
Volume in drive C has no label.
Volume Serial Number is A20C-B44D

Directory of C:\Users\Skill07\Downloads\demo

05/30/2020  09:13 PM    <DIR>          .
05/30/2020  09:13 PM    <DIR>          ..
05/30/2020  09:13 PM                6 README.md
               1 File(s)                6 bytes
               2 Dir(s)  96,149,942,272 bytes free

```

11) To view the content of the file:

For Windows: `type README.md`

For Mac: `cat README.md`

```

C:\Users\Skill07\Downloads\demo>type README.md
# demo

```

12) To open a README.md file:

For Windows: `notepad README.md`

For Mac: `open README.md`

13) To create a new file:

For Windows: `notepad test.txt`

For Mac: `vi test.txt`

14) Add to the repository:

For Windows/Mac: `git add test.txt`

Check the status of the file using:

`git status`

```

C:\Users\Skill07\Downloads\demo>notepad test.txt

C:\Users\Skill07\Downloads\demo>git add test.txt

C:\Users\Skill07\Downloads\demo>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   test.txt

```

Similarly, add the new file as shown below:

```
C:\Users\Skill07\Downloads\demo>notepad test2.txt

C:\Users\Skill07\Downloads\demo>git add test2.txt

C:\Users\Skill07\Downloads\demo>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   test.txt
        new file:   test2.txt
```

Commit the changes in the repository using:

```
git commit -m "write message here"
```

```
C:\Users\Skill07\Downloads\demo>git commit -m "Initial Commit"
[master dc2e94d] Initial Commit
2 files changed, 2 insertions(+)
create mode 100644 test.txt
create mode 100644 test2.txt
```

Push the file to remote repository using:

```
git push
```

```
C:\Users\Skill07\Downloads\demo>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 366 bytes | 122.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To github.com:mskill/demo.git
d3b011e..dc2e94d master -> master
```

Now, this make the changes in my GitHub repository

The screenshot shows the GitHub repository page for 'mskill / demo'. At the top, there are buttons for 'Unwatch', 'Star' (1), and 'Fork' (0). Below this is a navigation bar with links for 'Code', 'Issues' (0), 'Pull requests' (0), 'Actions', 'Projects' (0), 'Wiki', 'Security' (0), 'Insights', and 'Settings'. The main content area shows a message: 'No description, website, or topics provided.' with an 'Edit' button. Below this is a 'Manage topics' link. A summary bar shows '2 commits', '1 branch', '0 packages', '0 releases', and '1 contributor'. Below the summary bar are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The commit history table shows the following:

Commit	Initial Commit	Latest commit dc2e94d 4 minutes ago
README.md	Initial commit	40 minutes ago
test.txt	Initial Commit	4 minutes ago
test2.txt	Initial Commit	4 minutes ago

Create a repository now without README.md file

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere [Import a repository](#).

The screenshot shows the 'Create a new repository' form. The 'Owner' is 'mskill' and the 'Repository name' is 'demo1', which is highlighted with a green checkmark. Below the repository name, a message says 'Great repository name! demo1 is available. morable. Need inspiration? How about improved-couscous?'. The 'Description (optional)' field is empty. The 'Public' option is selected, with a note 'Anyone can see this repository. You choose who can commit.' The 'Private' option is also visible, with a note 'You choose who can see and commit to this repository.' Below this, a message says 'Skip this step if you're importing an existing repository.' The 'Initialize this repository with a README' checkbox is unchecked, with a note 'This will let you immediately clone the repository to your computer.' At the bottom, there are dropdown menus for 'Add .gitignore: None' and 'Add a license: None', and a 'Create repository' button.

Copy the SSHRepositoryLink on to your clipboard just as in Step 6.

To come out from the demo folder first use

```
cd ..
```

To make a directory in download folder:

```
mkdir demo1
```

```
cd demo1
```

```
C:\Users\Skill07\Downloads\demo>cd..

C:\Users\Skill07\Downloads>cd..

C:\Users\Skill07>cd Downloads

C:\Users\Skill07\Downloads>mkdir demo1

C:\Users\Skill07\Downloads>cd demo1

C:\Users\Skill07\Downloads\demo1>
```

To create a readmd file use

```
echo "# demo1" >> README.md
```

Initialize the directory

```
git init
```

Create and add a README.md file. You can use a normal text editor depending on which OS you are using.

```
git add README.md
```

Check the status of the file

```
git status
```

Commit the changes

```
git commit -m "first commit"
```

Add the origin where we have to push the file. This is the SSHRepositoryLink you copied when you created the repository.

```
git remote add origin git@github.com:mskill/demo1.git
```

Push the file

```
git push -u origin master
```



```

C:\Users\Skill07\Downloads\demo1>echo "# demo1" >> README.md

C:\Users\Skill07\Downloads\demo1>git init
Initialized empty Git repository in C:/Users/Skill07/Downloads/demo1/.git/

C:\Users\Skill07\Downloads\demo1>git add README.md

C:\Users\Skill07\Downloads\demo1>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   README.md

C:\Users\Skill07\Downloads\demo1>git commit -m "first commit"
[master (root-commit) a74d8ad] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 README.md

C:\Users\Skill07\Downloads\demo1>git remote add origin git@github.com:mskill/demo1.git

C:\Users\Skill07\Downloads\demo1>git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 218 bytes | 72.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:mskill/demo1.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

```

Now, the README.md file is created in our repository

mskill / demo1
Unwatch 1
Star 0
Fork 0

Code
Issues 0
Pull requests 0
Actions
Projects 0
Wiki
Security 0
Insights
Settings

No description, website, or topics provided. [Manage topics](#)

1 commit
1 branch
0 packages
0 releases
1 contributor

Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download

mskill first commit
Latest commit a74d8ad 4 minutes ago

README.md
first commit
4 minutes ago

README.md