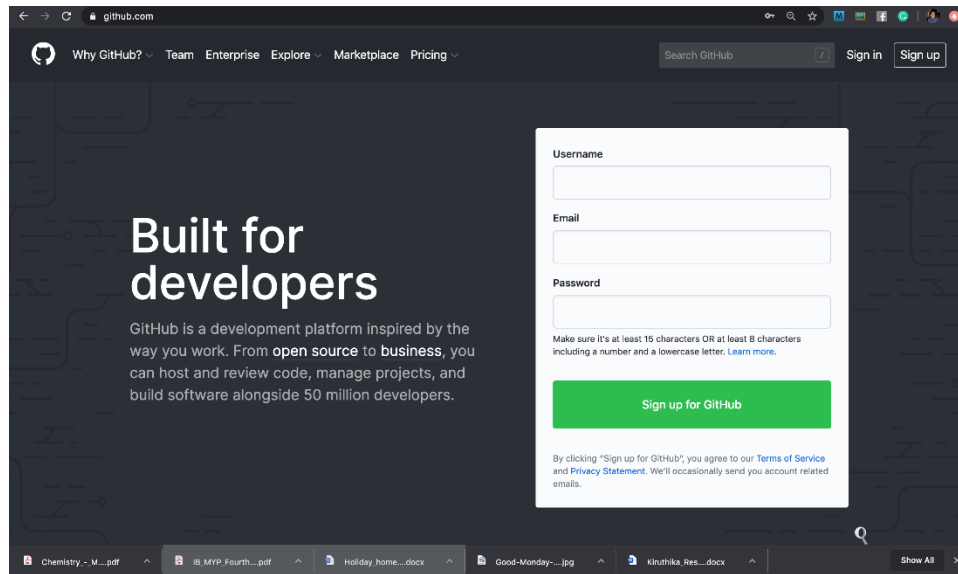
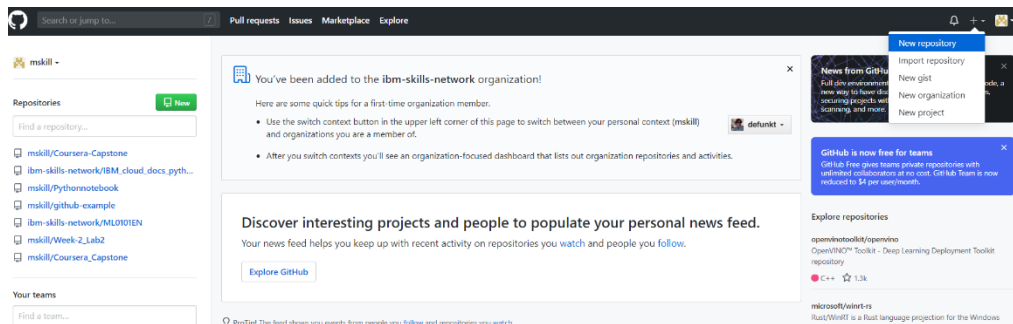


GITHUB – PART-1

- 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:

mskill / demo  1  0  0


[Code](#) [Issues 0](#) [Pull requests 0](#) [Actions](#) [Projects 0](#) [Wiki](#) [Security 0](#) [Insights](#) [Settings](#)

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


[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](#)

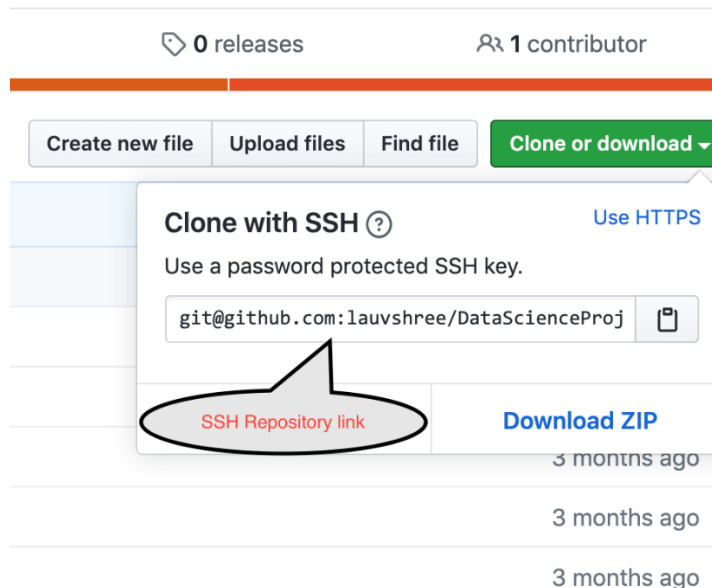
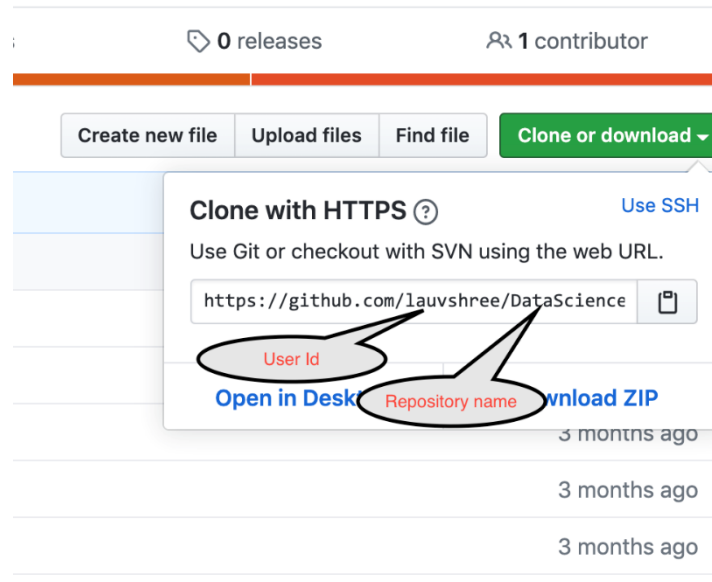
 Initial commit Latest commit d3b011e now

[README.md](#) Initial commit now

[README.md](#) 

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`



```
C:\> 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 interface for a repository named 'demo' by user 'mskill'. At the top, there are buttons for 'Unwatch', 'Star' (0), and 'Fork' (0). 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 a message: 'No description, website, or topics provided.' with an 'Edit' button. Below this is a 'Manage topics' link. A summary bar indicates '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 three commits: 'mskill Initial Commit' (latest commit dc2e94d 4 minutes ago), 'README.md' (Initial commit, 40 minutes ago), 'test.txt' (Initial Commit, 4 minutes ago), and '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](#).

Owner: mskill / Repository name:

Great repository name demo1 is available. morable. Need inspiration? How about [improved-couscous](#)?

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: Add a license:

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

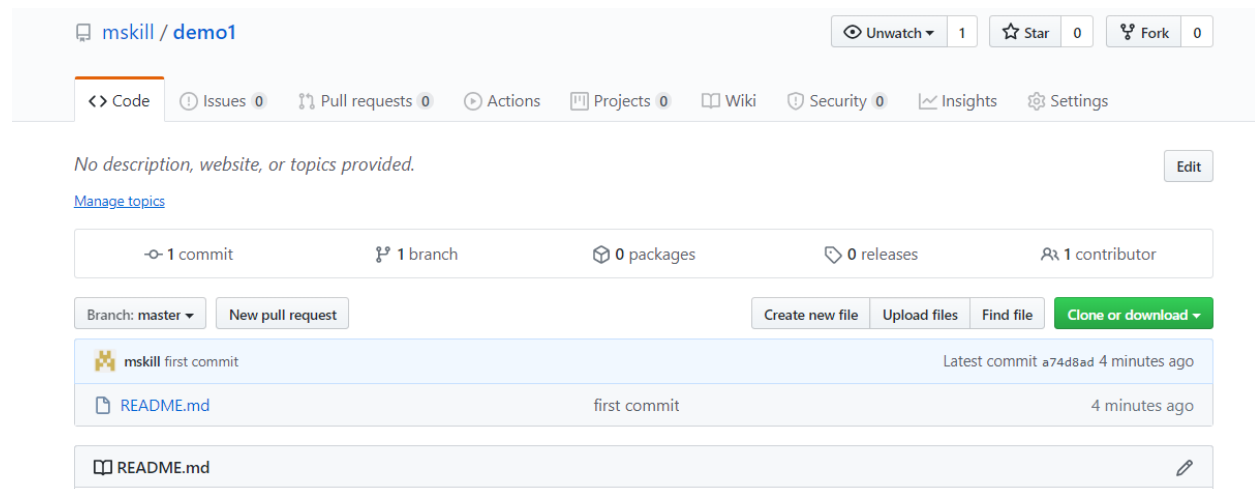
C:\Users\Skill07\Downloads\demo1>git commit -m "first commit"
[master (root-commit) a74d8ad] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 README.md

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



The screenshot shows the GitHub interface for a repository named 'demo1' by user 'mskill'. At the top, there are statistics: 1 commit, 1 branch, 0 packages, 0 releases, and 1 contributor. Below this, there are tabs for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Code' tab is selected, showing a list of files. The file 'README.md' is listed with a commit message 'first commit' and a timestamp '4 minutes ago'. There is a green 'Clone or download' button on the right. The repository description is 'No description, website, or topics provided.' and there is an 'Edit' button next to it.