

Assignment No: 8

Problem Statement: Deploy a project from a local machine to GitHub and vice-versa.

Solution:

To deploy a project from local machine to GitHub, the steps are-

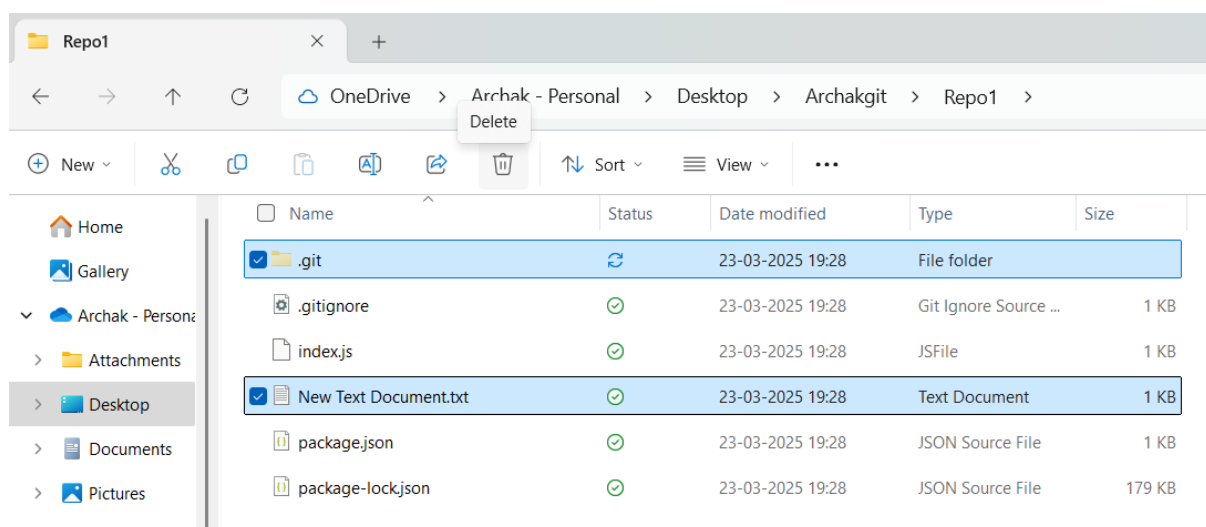
1. At first, create a new folder in your device and clone the project in it using Git Bash commands. From the project folder, delete all files containing .git and .txt extensions. The required commands in Git Bash are as follows:

```
MINGW64:/c/Users/dutta/OneDrive/Desktop/Archakgit

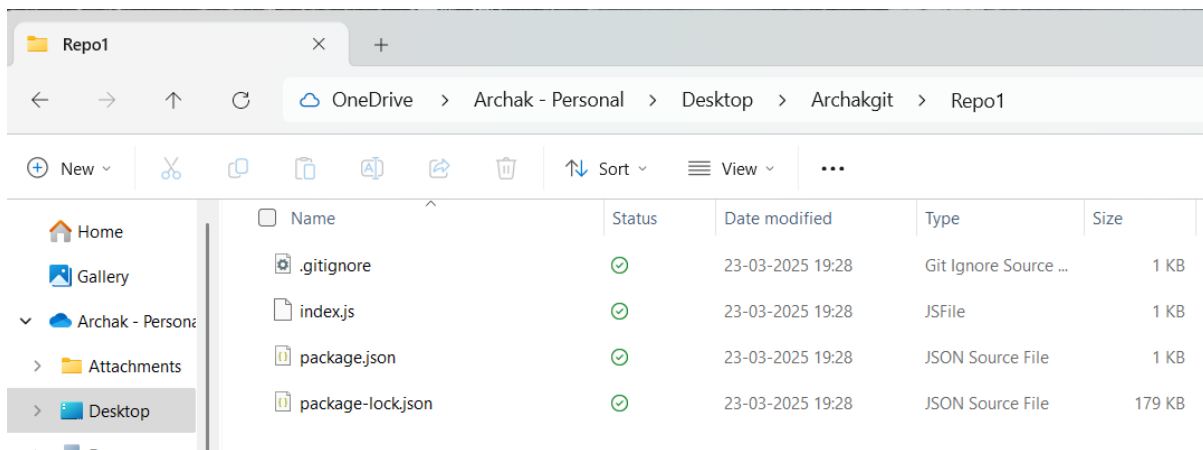
dutta@LAPTOP-QQMN87H MINGW64 ~/OneDrive/Desktop/Archakgit
$ git clone https://github.com/sudip7407/Repo1.git
Cloning into 'Repo1'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 10 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (10/10), 49.46 KiB | 920.00 KiB/s, done.
Resolving deltas: 100% (1/1), done.

dutta@LAPTOP-QQMN87H MINGW64 ~/OneDrive/Desktop/Archakgit
$ ls
Repo1/

dutta@LAPTOP-QQMN87H MINGW64 ~/OneDrive/Desktop/Archakgit
$ git init
Initialized empty Git repository in C:/Users/dutta/OneDrive/Desktop/Archakgit/.git/
```



| Name | Status | Date modified | Type | Size |
|-----------------------|--------|------------------|-----------------------|--------|
| .git | | 23-03-2025 19:28 | File folder | |
| .gitignore | | 23-03-2025 19:28 | Git Ignore Source ... | 1 KB |
| index.js | | 23-03-2025 19:28 | JSFile | 1 KB |
| New Text Document.txt | | 23-03-2025 19:28 | Text Document | 1 KB |
| package.json | | 23-03-2025 19:28 | JSON Source File | 1 KB |
| package-lock.json | | 23-03-2025 19:28 | JSON Source File | 179 KB |



2. Sign in to GitHub using your user name and password and thereby create a new repository with a file name. If a token key is not generated,

Go to settings->Developer settings->Personal access tokens->Tokens(classic)->Generate new token.

If it already exists, we can use the existing token later.

Create a new repository

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

Required fields are marked with an asterisk (*).

Owner * Archak10 / Repository name * CSE2-122

Great repository names are short and memorable. Need inspiration? How about [literate-rotary-phone](#) ?

Description (optional)

☐ Public
Anyone on the internet can see this repository. You choose who can commit.

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

Initialize this repository with:

☐ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

github.com/new

Create a new repository

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

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

Initialize this repository with:

☐ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

📘 You are creating a public repository in your personal account.

Create repository

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3.Now enter the following commands in the GitBash interface to deploy the project “Repo1” into the newly created repository of GitHub.

```
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git config --global user.name "CSE2-122"
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git config --global user.email "duttaarchak27@gmail.com"
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git config --global --list
user.name=CSE2-122
user.email=duttaarchak27@gmail.com
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git add .
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git status
On branch master
no commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Repo1/.gitignore
        new file:   Repo1/index.js
        new file:   Repo1/package-lock.json
        new file:   Repo1/package.json
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git commit -m "done"
[master (root-commit) a938f7b] done
 4 files changed, 4587 insertions(+)
 create mode 100644 Repo1/.gitignore
 create mode 100644 Repo1/index.js
 create mode 100644 Repo1/package-lock.json
 create mode 100644 Repo1/package.json
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git remote add origin https://github.com/Archak10/CSE2-122.git
dutta@LAPTOP-QQWNB7H MINGW64 ~/OneDrive/Desktop/Archakgit (master)
$ git push -u origin master
info: please complete authentication in your browser...
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 48.12 KiB | 6.87 MiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Archak10/CSE2-122.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

4. After entering the above commands in the GitBash interface, open the GitHub repository and refresh it to find the pushed in project “Repo1” into the GitHub repository.

