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**PRACTICAL – 2A**

**Aim**: Create version control account on GitHub and use Git commands to create a repository and push your code to GitHub

**List of Commands used for creating a repository**:

1. gitinit : This initializes a new Git repository in your project folder.

2. mkdir : Create folders

3. echo: Create all files

4. git add : This stages all files for commit.

5. gitcommit-m"message”:This records the changes in the repository by making a note.

6. gitbranch-Mmain:This command is used to move the main branch of the Repository

7. gitremoteaddorigin:Used to add the repository link to add local repository to the Github

8. git push -u origin main : This uploads your local repository to GitHub.

9. git status : Shows the status of the repository

**Example**:

C:\Users\Student>cd C:\Users\Student\Desktop\TIA15\WAD

C:\Users\Student\Desktop\TIA15\WAD>mkdir Assignement-1A Assignement-1B Assignment-2A

C:\Users\Student\Desktop\TIA15\WAD>cd Assignement-1A

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git init

Initialized empty Git repository in C:/Users/Student/Desktop/TIA15/WAD/Assignement-1A/.git/

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>echo. > 1A.html

C:\Users\Student\Desktop\TIA15\WAD>cd Assignement-1B

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git init

Initialized empty Git repository in C:/Users/Student/Desktop/TIA15/WAD/Assignement-1B/.git/

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>echo. > 1B.html

C:\Users\Student\Desktop\TIA15\WAD>cd Assignment-2A

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git init

Initialized empty Git repository in C:/Users/Student/Desktop/TIA15/WAD/Assignment-2A/.git/

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>echo. > 2A.docx

C:\Users\Student\Desktop\TIA15\WAD>dir

Volume in drive C is OS

Volume Serial Number is 6661-245C

Directory of C:\Users\Student\Desktop\TIA15\WAD

06-02-2025 21:42 <DIR> Assignement-1A

06-02-2025 21:42 <DIR> Assignement-1B

06-02-2025 21:42 <DIR> Assignment-2A

0 File(s) 0 bytes

5 Dir(s) 206,470,578,176 bytes free

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git add .

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: 1A.html

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git commit -m "Initial commit - Added 1A.html file"

[master (root-commit) a1b2c3d] Initial commit - Added 1A.html file

1 file changed, 1 insertion(+)

create mode 100644 1A.html

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git remote add origin https://github.com/YOUR\_USERNAME/Assignement-1A.git

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git branch -M main

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1A>git push -u origin main

Enumerating objects: 1, done.

Counting objects: 100% (1/1), done.

Delta compression using up to 16 threads

Compressing objects: 100% (1/1), done.

Writing objects: 100% (1/1), 200 bytes | 101.00 KiB/s, done.

Total 1 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/YOUR\_USERNAME/Assignement-1A.git

\* [new branch] main -> main

branch 'main' set up to track 'origin/main'.

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git add .

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: 1B.html

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git commit -m "Initial commit - Added 1B.html file"

[master (root-commit) d4e5f6g] Initial commit - Added 1B.html file

1 file changed, 1 insertion(+)

create mode 100644 1B.html

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git remote add origin https://github.com/YOUR\_USERNAME/Assignement-1B.git

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git branch -M main

C:\Users\Student\Desktop\TIA15\WAD\Assignement-1B>git push -u origin main

Enumerating objects: 1, done.

Counting objects: 100% (1/1), done.

Delta compression using up to 16 threads

Compressing objects: 100% (1/1), done.

Writing objects: 100% (1/1), 200 bytes | 101.00 KiB/s, done.

Total 1 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/YOUR\_USERNAME/Assignement-1B.git

\* [new branch] main -> main

branch 'main' set up to track 'origin/main'.

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git add .

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: 2A.docx

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git commit -m "Initial commit - Added 2A.docx file"

[master (root-commit) h7i8j9k] Initial commit - Added 2A.docx file

1 file changed, 1 insertion(+)

create mode 100644 2A.docx

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git remote add origin https://github.com/YOUR\_USERNAME/Assignment-2A.git

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git branch -M main

C:\Users\Student\Desktop\TIA15\WAD\Assignment-2A>git push -u origin main

Enumerating objects: 1, done.

Counting objects: 100% (1/1), done.

Delta compression using up to 16 threads

Compressing objects: 100% (1/1), done.

Writing objects: 100% (1/1), 200 bytes | 101.00 KiB/s, done.

Total 1 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/YOUR\_USERNAME/Assignment-2A.git

\* [new branch] main -> main

branch 'main' set up to track 'origin/main'.

**Thus our repository is successfully created as shown in the below picture:**

