

**Program: Web Development**

Week No.1

Assignment No.3

Instructor: Asad khan

Title: Getting Started with Git and GitHub

**Objective:**

To practice basic Git and GitHub commands, including repository creation, configuration, and code management.

**Instructions:**

1. Set Up Git and GitHub:

- Download Git: Visit [Git’s official website](https://git-scm.com/) and download Git. Install it on your machine.

- Register on GitHub: Go to [GitHub](https://github.com/) and sign up for a new account if you don’t already have one.

2. Create a New Repository on GitHub:

- Create Repository: Log in to GitHub, go to the "Repositories" tab, and click "New" to create a new repository. Name it as you like and initialize it with a README file.

- Record Repository URL: Copy the URL of your newly created repository for use in later steps.

3. Configure Git:

- Open Git Bash: Start Git Bash on your computer.

- Set Configuration: Configure Git with your GitHub username and email:

```bash

git config --global user.name "your GitHub username"

git config --global user.email "your GitHub registration email"

```

4. Clone Your Repository:

- Clone Repository: Use the URL from Step 2 to clone your GitHub repository to your local machine:

```bash

git clone <repository-url>

```

- Navigate to Repository Folder: Move into your cloned repository folder:

```bash

cd <repository-name>

```

5. Modify and Commit:

- Create a File: Create a new file named `example.txt` in your repository folder and add some text to it.

- Stage Changes: Add the new file to the staging area:

```bash

git add example.txt

```

- Commit Changes: Commit your changes with a descriptive message:

```bash

git commit -m "Added example.txt file"

```

6. Push Changes to GitHub:

- Push Changes: Push your local commits to GitHub:

```bash

git push origin main

```

7. Verify Changes:

- Check Repository on GitHub: Refresh your GitHub repository page to verify that the `example.txt` file has been added.

**Submission Guidelines:**

- Ensure your Git and GitHub setup is completed.

- Submit screenshots showing the creation of the repository, cloning process, and the final repository on GitHub with the committed file.

Good luck, and enjoy learning Git and GitHub!