

GITHUB BASICS – 2 HOUR EXERCISE SHEET (BEGINNER FRIENDLY)

INTRODUCTION

In this exercise, you will learn the basics of GitHub and how to work with a single branch. You will install Git, create a GitHub account, create a repository, clone it, add files, commit, push, and practice simple everyday Git/GitHub tasks.

Everything is written clearly—just follow the instructions.

SECTION 1 – INSTALLATION (10 minutes)

1. Go to <https://git-scm.com/downloads>
2. Download and install Git for your operating system.
3. Go to <https://github.com> and create an account.
4. Sign in and confirm your email.

SECTION 2 – CREATE A NEW REPOSITORY (10 minutes)

TASK:

- Create a new repository named **github-basics-practice**
- Set it to **Public**
- Do NOT add README, .gitignore or license (keep it empty)

SECTION 3 – CLONE THE REPOSITORY (10 minutes)

TASK:

1. Copy the repository URL.
2. Open your terminal.
3. Run:

```
git clone YOUR_REPO_URL
```

4. Enter the folder:

```
cd github-basics-practice
```

SECTION 4 – CREATE YOUR FIRST FILE (15 minutes)

TASK:

1. Inside the repository folder, create a new file named:

```
info.txt
```

2. Open the file and write the following inside:

My first GitHub exercise.
I am learning Git basics.
This is my first file.

3. Save the file.

4. Run the following commands:

```
git add info.txt  
git commit -m "Add info.txt with basic text"  
git push
```

SECTION 5 – MODIFY AN EXISTING FILE (15 minutes)

TASK:

1. Open **info.txt** again.
2. Add these two new lines:

Adding more text to practice Git commits.
Git is getting easier.

3. Save the file.

4. Run:

```
git add info.txt  
git commit -m "Update info.txt with additional lines"  
git push
```

SECTION 6 – CREATE A SECOND FILE (10 minutes)

TASK:

1. Create a file named:

tasks.txt

2. Add the following inside:

- Task 1: Create file
- Task 2: Edit file
- Task 3: Commit changes
- Task 4: Push to GitHub

3. Save the file.

4. Run:

```
git add tasks.txt
git commit -m "Add tasks.txt"
git push
```

SECTION 7 – DELETE A FILE (10 minutes)

TASK:

1. Delete **tasks.txt** from your computer.
2. Run:

```
git add -A
git commit -m "Delete tasks.txt"
git push
```

SECTION 8 – DOWNLOAD CHANGES FROM GITHUB (10 minutes)

TASK:

1. Go to your repository on GitHub.
 2. Edit **info.txt** using the GitHub website.
- Add this new line at the bottom:

This line was added from the GitHub website.

3. Save changes.
4. Go back to your terminal and run:

```
git pull
```

SECTION 9 – BASIC GITHUB NAVIGATION (10 minutes)

TASK:

Go to the repository page and find:

1. The “Commits” section
2. The “Code” tab
3. The “History” of info.txt
4. The “Settings” page
5. The “Insights” → “Traffic” section

SECTION 10 – FINAL PRACTICE (20 minutes)

TASK:

1. Create a file named ****summary.txt****
2. Add EXACTLY this content:

Today I learned:

- How to install Git
- How to create a GitHub repository
- How to clone a repository
- How to add files
- How to commit
- How to push
- How to pull updates

3. Save the file.

4. Run:

```
git add summary.txt  
git commit -m "Add summary.txt"  
git push
```

END OF EXERCISE – GREAT JOB!
