**day02\_107856406\_dsdipt\_sudipto\_15may2025**

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**Date:** 15 May 2025 (Day 02)

### ***Task 1: Open a GitHub Account and Create a Repository***

**Step 1: Sign Up for GitHub**

* **Go to** [**https://github.com/**](https://github.com/)
* **Click Sign up.**
* **Enter:**
  + **Username**
  + **Email address**
  + **Password**

**Step 2: Create a Repository**

* **After logging in, click the "+" sign at the top right and select "New repository".**
* **Fill in:**
  + **Repository name**
  + **Description**
  + **Choose Public/Private**
  + **Check "Initialize this repository with a README"**
* **Click Create repository.**

### ***Task 2: Install Git and Configure It***

git config --global user.name "Your Name"

git config --global user.email "[email@example.com](mailto:your.email@example.com)"

### ***Task 3: Create a Local Git Repository***

* **Create a new folder on your PC**
* **Open terminal in that folder and run:** 
  + **git init**

### ***Task 4: Create and Track a File***

* **Create a new file, e.g., readme.md, and add some text.**
* **Run:** 
  + **git status**
  + **git add** [**readme.md**](http://readme.md)
  + **git commit -m "Initial commit with readme"**

### ***Task 5: Push Local Repo to GitHub***

* **Go to GitHub > open your new repo.**
* **Copy the HTTPS URL (e.g., https://github.com/username/devops-practice.git)**
* **Run:**
  + **git remote add origin https://github.com/username/…..**
  + **git branch -M main**
  + **git push -u origin main**

### ***Task 6: Practice Key Git Commands***

* **git status # See current file states**
* **git log # View commit history**
* **git add . # Stage all changes**
* **git add filename # Stage specific file**
* **git commit -m "message" # Commit with a message**

### ***Task 7: Clone a Repository***

**git clone** [**https://github.com/user/…/…**](https://github.com/user/%E2%80%A6/%E2%80%A6)

### ***Task 8: Learn Git Branching***

* **git branch new-feature # Create branch**
* **git checkout new-feature # Switch to branch**
* **git merge new-feature # Merge into main/master**

### ***Task 9: Learn .gitignore & .md***

* **.gitignore**: List files/folders we don’t want Git to track (e.g., node\_modules/, \*.log)
* .**md:** Markdown files like README.md for documentation.

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STEPS 🎉  
  
Create a folder on the desktop.  
Open folder create a .txt file  
Right click on blank space open git bash  
Type git init press enter  
Type git add filename.txt

Type git commit -m “your comment”  
Type git clone “git repo url”  
Type git remote add origin “git repo url”

Type git commit -m “your comment”

Type git push origin master