**1. What is GitHub?**

* GitHub is like a library where you store your coding projects and notes (code).
* It’s also a place where you can collaborate with others, kind of like a group art project.

**2. Setting Up GitHub**

**Step 1: Create an Account**

* Go to [GitHub.com](https://github.com).
* Click "Sign Up."
* Enter your email, create a username, and set a password.  
  *(Choose something easy to remember but hard for others to guess.)*

**Step 2: Install Git**  
Git is the tool that helps you talk to GitHub from your computer.

* Go to [git-scm.com](https://git-scm.com/) and download Git.
* Install it with the default settings.

**3. Learn the Lingo**

Here are some words you’ll see on GitHub:

* **Repository (Repo):** A folder for your project.
* **Commit:** Saving a version of your work, like pressing "Save."
* **Push:** Sending your saved work to GitHub.
* **Pull:** Getting the latest work from GitHub to your computer.
* **Branch:** A way to make changes without messing up the main project.
* **Merge:** Combining changes from a branch into the main project.

**4. Create Your First Repository**

1. Log in to GitHub.
2. Click the **+** in the top-right corner and select **New repository**.
3. Give it a name, like “My-First-Project.”  
   *(You can add a description if you want.)*
4. Choose **Public** or **Private.** *(Public means anyone can see it.)*
5. Check **Add a README file** (this is like a welcome note).
6. Click **Create Repository.**

🎉 Congratulations! You made your first GitHub repo!

**5. Connect Your Computer to GitHub**

**Step 1: Open a Terminal (or Command Prompt)**  
This is where you’ll type commands to talk to GitHub.

**Step 2: Set Up Git with Your GitHub Account**  
Type these commands:

* git config --global user.name "Your GitHub Username"
* git config --global user.email "Your GitHub Email"

**6. Adding Your First File to GitHub**

**Step 1: Make a File on Your Computer**

* Create a text file called hello.txt and write "Hello, GitHub!" inside it.

**Step 2: Move to Your Repo**

1. Open the terminal.
2. Go to the folder where hello.txt is using cd commands.  
   *(Example: cd Documents/My-First-Project)*

**Step 3: Tell Git About Your File**

* Type: git init *(This initializes Git in your folder.)*
* Type: git add hello.txt *(This stages your file for saving.)*

**Step 4: Save Your File (Commit)**

* Type: git commit -m "Added hello.txt"

**Step 5: Link Your Repo to GitHub**

* Copy the repo link from GitHub (it’ll look like https://github.com/username/My-First-Project.git).
* In the terminal, type:  
  git remote add origin https://github.com/username/My-First-Project.git

**Step 6: Push to GitHub**

* Type: git push -u origin main  
  Your file is now on GitHub!

**7. Keeping Things Organized**

* Always **commit and push** your changes to GitHub so your work is saved.
* Use clear commit messages like "Fixed a bug in the login form" or "Added a new feature."

**8. Collaborating with Others**

* You can invite others to your repo by going to **Settings > Collaborators** and adding their GitHub username.
* When working on group projects, use **branches** to work on your part without affecting the main project.

**9. Explore and Learn**

* Browse other projects on GitHub by clicking **Explore**.
* If you like a project, you can "Star" it or **Fork** it (make your own copy).

**10. Keep Your GitHub Account Safe**

* Use a strong password or set up **two-factor authentication**.
* Be careful about sharing sensitive information (like passwords) in your code.