# Creating a Repository on GitHub

## Step 1: Log in to GitHub

- Go to https://github.com and log in with your account credentials.

## Step 2: Create a New Repository

- On the top-right corner, click the `+` icon.

- Select `New repository` from the dropdown.

## Step 3: Configure Repository Details

1. \*\*Repository Name\*\*:

- Enter a name for your repository (e.g., `my-first-repo`).

- Use hyphens instead of spaces, e.g., `sample-project`.

2. \*\*Description (Optional)\*\*:

- Write a brief description of your project (e.g., "This is my first repository for testing GitHub").

## Step 4: Set Repository Visibility

- \*\*Public\*\*: Anyone can see this repository.

- \*\*Private\*\*: Only you (and invited collaborators) can access it.

\*Tip\*: Choose \*\*Public\*\* if it’s just a demo. Select \*\*Private\*\* for personal or private projects.

## Step 5: Initialize the Repository (Optional)

- \*\*Check\*\*: "Add a README file" to get started with a basic README.

- \*\*Check\*\*: "Add .gitignore" (Optional) to ignore certain files (e.g., choose \*\*Python\*\* if applicable).

- \*\*Check\*\*: "Choose a license" (Optional) for open-source projects (e.g., \*\*MIT License\*\*).

## Step 6: Create the Repository

- Click the `Create repository` button at the bottom.

## Step 7: Overview of Your New Repository

- You’ll be redirected to your repository's main page.

- \*\*Code\*\*: Browse your files and manage branches.

- \*\*Issues\*\*: Track tasks or bugs.

- \*\*Pull Requests\*\*: Manage collaboration and code reviews.

- \*\*Settings\*\*: Change visibility, invite collaborators, or delete the repo.

## Step 8: Clone the Repository to Your Computer (Optional)

- Click `Code` > `HTTPS` or `SSH` and copy the URL.

- In \*\*VS Code\*\*, open the terminal and run:

git clone <repository-url>