**📌 Task Report**

**🗓️ Date:** 19 June 2025  
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**📁 Task Title:** Learning Git Commands and Managing GitHub Repository via VS Code Terminal

### **📝 Objective:**

To understand and practice essential Git commands like init, add, commit, push, and pull. Learn how to upload a local file to GitHub using VS Code terminal and exclude a specific file using .gitignore.

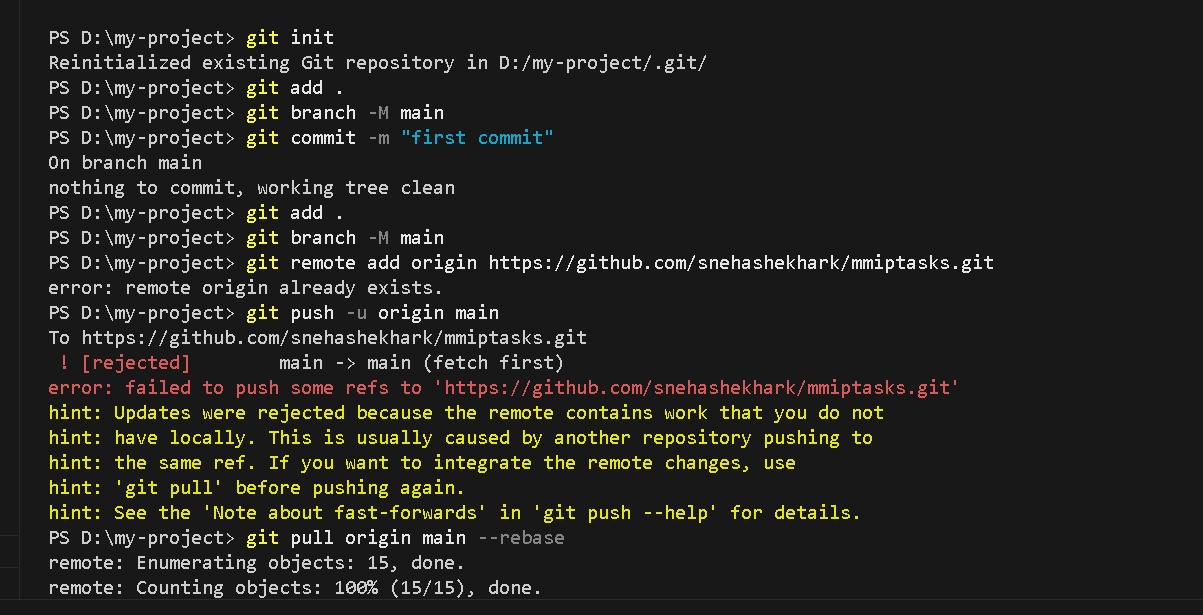
### **🔧 Tasks Performed:**

1. **Initialize Git Repository:**
   * Command used: git init
   * Description: Initialized a new Git repository in the current local project directory.
2. **Add Files to Staging Area:**
   * Command used: git add .
   * Description: Staged all files in the directory for the next commit.
3. **Commit Changes:**
   * Command used: git commit -m "Initial commit"
   * Description: Saved the staged changes with a commit message.
4. **Connect to GitHub Remote Repository:**
   * Command used:
   * git remote add origin https://github.com/username/repository-name.git
   * Description: Linked the local repository with the remote GitHub repository.
5. **Push Code to GitHub:**
   * Command used:
   * git push -u origin main
   * Description: Pushed committed files from the local machine to the GitHub website.
6. **Pull Updates from Remote:**
   * Command used: git pull origin main
   * Description: Pulled the latest changes from GitHub to the local system (if any).
7. **Exclude a File Using .gitignore:**
   * Steps:
     + Created a .gitignore file in the project root.
     + Added the file name to exclude (e.g., secret.txt) inside .gitignore.
   * Description: This prevents Git from tracking or uploading the specified file.

### **📚 Commands Learned:**

| **Command** | **Purpose** |
| --- | --- |
| git init | Initializes a new Git repo |
| git add . | Stages all files |
| git commit -m "" | Commits changes with a message |
| git remote add | Links local repo to remote GitHub repo |
| git push | Uploads commits to GitHub |
| git pull | Downloads changes from GitHub |
| .gitignore | Used to exclude files from Git tracking |

### SCREENSHOTS



A screen shot of a computer

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.