**2.Git-HOL Hands On Notes**

## ****1. What is**** .gitignore****?****

* .gitignore is a special text file in Git where you list files/folders you **don’t want Git to track**.
* Commonly ignored items:
  + Log files (\*.log)
  + Compiled code (\*.class, \*.exe)
  + Environment files (.env)
  + Dependency folders (node\_modules/, venv/)

## ****2. Why use**** .gitignore****?****

* Prevents clutter in your repository.
* Keeps sensitive data safe.
* Avoids committing temporary files that only matter locally.

**3. Steps to Implement the Lab:**

**Step 1: Create a log file and folder**

**cd your-repo**

**echo "This is a test log file" > debug.log**

**mkdir logs**

**echo "Inside logs folder" > logs/test.log**

**Step 2: Create .gitignore file in the root of your repository**

# Ignore all .log files

\*.log

# Ignore the logs folder

logs/

**Step 3: Add other files normally **by staging them with git add .****

**Step 4: Commit changes **and push them to the main branch****

**git commit -m "Added .gitignore to exclude .log files and logs folder"**

**git push origin main**

**Step 5: Verify with git status.**

**Hence Git will ignore .log files and /logs folder from the future**