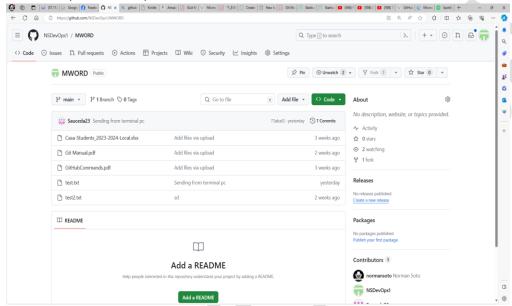
Git and GitHub

By Norman Soto

- 1. GitHub (Application used as Version Control System in the Cloud)
 - 1.1 Create An Account in github.com (Free source and License)
 - 1.2 Guidelines
 - 1.2.1 Overview (Environment)



- 1.2.1.1 Create Repository
- 1.2.1.2
- 2. Git (Application used as Version Control System in Local Computer)
 - 2.1 Git local application (Git Bash)

basic commands Bash Script Commands & Windows MD/PowerShell=======

Windows Commands

JWS Collillatius

- **cd**: Change directory.
 - Example: cd Documents
- dir: List files and directories.
 - Example: dir /w (display in wide format), dir /p (display one page at a time).

2. File Manipulation:

- copy: Copy files.
 - Example: copy file1.txt file2.txt
- move: Move or rename files.
 - Example: move file1.txt new_location\

3. **Directory Manipulation:**

- mkdir: Create a new directory.
 - Example: mkdir new_directory
- rmdir: Remove an empty directory.
- rd /s /q: Remove a directory and its contents.
 - Example: rd /s /q directory_to_remove

4. File Display and Editing:

- **type**: Display the contents of a file.
 - Example: type filename.txt
 - edit or notepad: Open a text file for editing.
 - Example: notepad filename.txt

5. File Inspection:

- more: Display contents of a file one screen at a time.
 - Example: more filename.txt
- find: Search for text in files.
 - Example: find "pattern" filename.txt

6. File Permissions (Windows ACL):

- icacls: View or modify Access Control Lists (ACLs) for files and directories.
 - Example: icacls filename.txt

7. **Searching and Finding:**

- **findstr**: Search for strings in files.
 - Example: findstr "pattern" filename.txt
- where: Locate the executable of a command.
 - Example: where command

8. System Information:

- systeminfo: Display detailed configuration information about the computer.
- **ipconfig**: Display network configuration information.

9. **Process Management:**

- tasklist: Display a list of currently running processes.
- **taskkill**: Terminate a running process.
 - Example: taskkill /F /IM process_name.exe

10. Miscellaneous:

- **echo**: Display messages or enable/disable the echoing of commands.
 - Example: echo Hello, World!

Linux & MAC

1. Navigation:

- cd: Change directory.
 - Example: cd Documents
- **pwd**: Print working directory.
- **ls**: List files and directories.

• Example: ls -l (detailed list), ls -a (show hidden files), ls -lh (human-readable file sizes).

2. File Manipulation:

- **touch**: Create an empty file.
 - Example: touch filename.txt
- **cp**: Copy files or directories.
 - Example: cp file1.txt file2.txt
 - mv: Move or rename files or directories.
 - Example: mv file1.txt new_location/

3. **Directory Manipulation:**

- mkdir: Create a new directory.
 - Example: mkdir new_directory
- rmdir: Remove an empty directory.
- rm -r: Remove a directory and its contents recursively.
 - Example: rm -r directory_to_remove

4. File Display and Editing:

- cat: Display the contents of a file.
 - Example: cat filename.txt
- more or less: Display contents of a file one screen at a time.
- nano or vim: Text editors for creating or editing files.

5. **File Inspection:**

- head: Display the first few lines of a file.
 - Example: head filename.txt
- tail: Display the last few lines of a file.
 - Example: tail filename.txt
- wc: Count lines, words, and characters in a file.
 - Example: wc filename.txt

6. File Permissions:

- **chmod**: Change file permissions.
 - Example: chmod +x script.sh (add execute permission to a script)
- **chown**: Change file owner.
- **chgrp**: Change file group.

7. Searching and Finding:

- grep: Search for a pattern in files.
 - Example: grep "pattern" filename.txt
- **find**: Search for files in a directory hierarchy.
 - Example: find /path/to/search -name "file*.txt"

8. **Process Management:**

- ps: Display information about active processes.
 - Example: ps aux
- **kill**: Terminate a process.
 - Example: kill PID (replace PID with the process ID)

Microsoft Word Lab 4

