

Heaven's light is our guide

**Rajshahi University of Engineering & Technology
(RUET), Rajshahi**



**Department
Of
Electrical and Computer Engineering
LAB REPORT-3**

Course No: ECE-3118

Course Title: Software Engineering and Information System Design
Sessional

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Command Prompt Basic Commands

1. **cd [directory]** - Changes the current directory.
2. **dir** - Lists all files and folders in the current directory.
3. **mkdir [folder_name]** - Creates a new folder.
4. **rmdir [folder_name]** - Deletes a directory.
5. **del [file_name]** - Deletes a file.
6. **copy [source] [destination]** - Copies files from one location to another.
7. **move [source] [destination]** - Moves files to a new location.
8. **cls** - Clears the screen.
9. **exit** - Closes the Command Prompt window.

Basic Git Commands

1. **git init** - Initializes a new Git repository.
2. **git clone [url]** - Clones a repository from GitHub to your local machine.
3. **git add [file_name]** - Stages changes to be committed.
4. **git commit -m "message"** - Commits staged changes with a message.
5. **git status** - Shows the status of the working directory and staging area.
6. **git push origin [branch_name]** - Pushes changes to a remote branch on GitHub.
7. **git pull** - Fetches and integrates changes from the remote repository.
8. **git branch** - Lists, creates, or deletes branches.
9. **git checkout [branch_name]** - Switches to a specified branch.
10. **git config --global user.name "[name]"** - Sets the username for commits.
11. **git config --global user.email "[email]"** - Sets the email for commits.
12. **git log** - Displays the commit history of the current branch.
13. **git reset [file]** - Unstages a file while retaining changes in the working directory.
14. **git reset --hard [commit_hash]** - Resets the repository to a specific commit, discarding all changes after that point.
15. **git fetch** - Downloads changes from a remote repository without merging them.
16. **git stash** - Temporarily saves changes without committing, allowing you to work on something else.
17. **git stash pop** - Reapplies stashed changes after using git stash.
18. **git merge [branch_name]** - Merges the specified branch into the current branch.
19. **git remote add origin [url]** - Sets up a remote repository for a local repository.
20. **git rm [file_name]** - Removes a file from the working directory and staging area.
21. **git tag [tag_name]** - Tags a specific commit with a name (useful for marking release points).