**Activity 1: Linux Commands**

| **S. No** | **Command** | **Description** | **Output** | **Remarks** |
| --- | --- | --- | --- | --- |
| 1 | ls -a | Lists all files, including hidden | . .. file1.txt | Shows all files in current directory |
| 2 | pwd | Shows present working directory | /home/user | Correct directory displayed |
| 3 | mkdir test | Creates a directory named test | (No output) | Directory created successfully |
| 4 | rmdir test | Deletes the directory named test | (No output) | Directory removed successfully |
| 5 | touch file1.txt | Creates a new empty file | (No output) | File created successfully |
| 6 | cp file1.txt file2.txt | Copies file1.txt to file2.txt | (No output) | File copied successfully |
| 7 | mv file2.txt newfile.txt | Renames file2.txt to newfile.txt | (No output) | File renamed successfully |
| 8 | rm newfile.txt | Removes the file newfile.txt | (No output) | File removed successfully |
| 9 | cat file1.txt | Displays file content | Hello Linux | Content displayed correctly |
| 10 | echo "Hello Linux" > file1.txt | Writes text to file | (No output) | Text written successfully |