**Operating System (Linux)**

1. **Create a new file named file1.txt using the touch command.**

**~$ touch file1.txt**

1. **Create a new directory named mydir.**

**~$ mkdir mydir**

1. **Create a file named output.txt containing the text "Hello, World!" using redirection.**

**~$ echo "Hello, World!" > output.txt**

1. **Append "Appending a new line." to output.txt.**

**~$ echo "Appending a new line" >> output.txt**

1. **Display the contents of output.txt.**

**~$ cat output.txt**

**Hello, World!**

**Appending a new line**

1. **Print the current working directory.**

**~$ pwd**

**/home/user**

1. **Create file2.txt with some text, then combine output.txt and file2.txt into combined.txt.**

**~$ echo "Jani nah" > file2.txt**

**~$ cat output.txt file2.txt > combined.txt**

1. **View example.txt using the less command.**

**~$ cat combined.txt | less**

**[1]+ Stopped cat combined.txt | less**

1. **Append the contents of file2.txt to output.txt.**

**~$ cat file2.txt >> output.txt**

1. **Display jtp.txt with line numbers.**

**~$ cat -n combined.txt**

**1 Hello, World!**

**2 Appending a new line**

**3 Jani nah**

1. **Create a hidden file named .hiddenfile.**

**~$ touch .hiddenfile**

1. **Sort the contents of output.txt**

**~$ cat output.txt | sort**

**Appending a new line**

**Hello, World!**

**Jani nah**

1. **Copy file1.txt to file1\_backup.txt.**

**~$ cp file1.txt file1\_backup.txt**

1. **Copy output.txt and file2.txt to the mydir directory.**

**~$ cp output.txt file2.txt mydir/**

1. **Move file2.txt to mydir.**

**~$ mv file2.txt mydir/**

1. **Delete file1\_backup.txt.**

**~$ rm file1\_backup.txt**

1. **Remove the empty directory mydir.**

**~$ rm -d empMydir**

1. **Remove a directory and all its contents named testdir.**

**~$ rm -r mydir**

1. **Delete output.txt and file2.txt.**

**~$ rm output.txt file1.txt**

1. **Create nested directories and then remove them recursively**

**~$ mkdir -p a/b/c**