Operating System (Linux)

1. **Display Current Directory**

   ~$ pwd

   /home/user

2. **Check Operating System Information**

   ~$ uname

   Linux

3. **Create a New Directory**

   ~$ mkdir Rafiul

4. **Navigate to the New Directory**

   ~$ cd Rafiul

5. **List Files in the Directory**

   ~/Rafiul$ ls

6. **List All Files, Including Hidden Files**

   ~/Rafiul$ ls –a

   . ..

7. **Create a New File**

   ~/Rafiul$ touch aiub.txt

8. **Add Content to the File**

   ~/Rafiul$ touch Bangladesh > aiub.txt

9. **Append Content to the File**

   ~/Rafiul$ echo Pakistan >> aiub.txt

10. **View the Content of the File**

    ~/Rafiul$ cat aiub.txt

    Bangladesh

    Pakistan

11. **Create Multiple Files**

   ~/Rafiul$ touch brac.txt nsu.txt ewu.txt

12. **Display a List of Files with a Specific Extension**

   ~/Rafiul$ ls *.txt

   aiub.txt brac.txt ewu.txt nsu.txt

13. **Create a Nested Directory Structure**

   ~/Rafiul$ mkdir -p Zayyan/Nusaiba

14. **Move Between Directories**

   ~/Rafiul$ cd Zayyan

   ~/Rafiul/Zayyan$ cd Nusaiba

15. **Display System Kernel Information**

   ~/Rafiul/Zayyan/Nusaiba$ uname -r

   5.15.0-1046-gcp

16. **Display System Architecture**

   ~/Rafiul/Zayyan/Nusaiba$ uname -m

   x86_64

17. **Create a Hidden File**

   ~/Rafiul/Zayyan/Nusaiba$ touch .seu.txt

18. **Redirect Command Output to a New File**

   ~/Rafiul/Zayyan/Nusaiba$ pwd

   /home/user/Rafiul/Zayyan/Nusaiba

   ~/Rafiul/Zayyan/Nusaiba$ pwd >> New.txt

   ~/Rafiul/Zayyan/Nusaiba$ cat New.txt

   /home/user/Rafiul/Zayyan/Nusaiba

19. **Append System Information to a Log File**

   ~/Rafiul/Zayyan/Nusaiba$ uname >> Log.txt

   ~/Rafiul/Zayyan/Nusaiba$ cat Log.txt

   Linux