**Operating System (Linux)**

1. **Display Current Directory**

~$ pwd

/home/user

1. **Check Operating System Information**

~$ uname

Linux

1. **Create a New Directory**

~$ mkdir Rafiul

1. **Navigate to the New Directory**

~$ cd Rafiul

1. **List Files in the Directory**

~/Rafiul$ ls

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

~/Rafiul$ ls –a

. ..

1. **Create a New File**

~/Rafiul$ touch aiub.txt

1. **Add Content to the File**

~/Rafiul$ touch Bangladesh > aiub.txt

1. **Append Content to the File**

~/Rafiul$ echo Pakistan >> aiub.txt

1. **View the Content of the File**

~/Rafiul$ cat aiub.txt

Bangladesh

Pakistan

1. **Create Multiple Files**

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

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

~/Rafiul$ ls \*.txt

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

1. **Create a Nested Directory Structure**

~/Rafiul$ mkdir -p Zayyan/Nusaiba

1. **Move Between Directories**

~/Rafiul$ cd Zayyan

~/Rafiul/Zayyan$ cd Nusaiba

1. **Display System Kernel Information**

~/Rafiul/Zayyan/Nusaiba$ uname -r

5.15.0-1046-gcp

1. **Display System Architecture**

~/Rafiul/Zayyan/Nusaiba$ uname -m

x86\_64

1. **Create a Hidden File**

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

1. **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

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

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

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

Linux