



AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Operating System

FALL 2024-2025

Section: I

Group:

MIDTERM LAB REPORT

Supervised By

Dr. Rajarshi Roy Chowdhury

Submitted By

Name	ID
Fatema Akter Tripty	22-46989-1
Bishal Paul	22-47036-1
SHEIKH MUHUMMAD JADID	22-46998-1
MD TAFHIMUL HAQUE SADI	22-47071-1

Date of Submission: November 23, 2024

Command Syntax	Description	Example
1. DIR	To show directories	
2. Uname -r	To show what karnel version you have.	
3. Uname-m	Will show you what architecture you are running.	
4. pwd	To show current directory	
5. clear	For clearing screen.	
6. help	Command description in windows	
7. help cd	Particular command description	help copy
8. mkdir directory name	To make directory	mkdir d1
9. echo message	Message print only	echo hello world
10. echo message>filename	Will create file with message inside	Echo "Good Morning">a.txt
11. type filename	Will show the contents inside the file	Type a.txt
12. echo message>>filename	Append new text in the file	Echo AIUB>>a.txt
13. del filename	To delete file	Del a.txt
14. rmdir directoryname	To delete directory which is not empty	rmdir[/s][[/q] d1
15. copy source ..\file destination	For copying file in windows	Copy a.txt ..\d2
16. for % in(file1 file2 file3) do echo.>%i	Will create multiple empty file	for % in(f1.txt f2.txt f3.txt) do echo.>%i
17. del *	To delete everything in the folder	
18. del *filetype	To delete same type of file at once	Del *.txt
19. rename oldfilename newfilename	To rename a file	Rename a.txt an.txt
20. move source\file destination	To move a file in windows	Move an.txt ..\d2
21. date/t	To show system date	
22. time/t	To show system time	
23. date	To change system date	
24. date + %m	To show only the month number of that date	
25. date +%h%m	To show the month of that date and month name	
26. date +%H	To show the hours of that date .	

27. date +%M	To show the minute of that time	
28. date +%r	To show time with AM or PM	
29. date +%d	To show only the date	
30. time	To change system time	
31. copy source \destination\new name	To copy and rename a file in same time	Copy an.txt ../d2/a.txt
32. whoami	Who you are logged in as	
33. sort filename	To sort the contents of the file in alphabetic order	Sort a.txt
34. ipconfig	To see windows IP configuration	
35. ls	To show all files and directory in linux	
36. ls -a	To show everything include hidden file	
37. ls -la	To show all files and directory including hidden files.	
38. ls *.fileExtension	To show file with specific extension	ls *.txt
39. Touch filename	To create empty file	Touch fl.txt
40. History	To show all the commands that has been used in the projects	
41. cat>filename	To create a file	cat>ex1
42. cat filename	To view the content of the file	cat ex1
43. cat>>filename	To append some details with the existing details in the file	cat>>ex1
44. cp source ../destination	To copy files	Cp a.txt ../d2
45. rm filename	To remove file	rm fl.txt
46. rmdir directory name	To remove directory	Rmdir d1
47. cal	To Show this month's calender	
48. cal -y	to show yearly calender	
49. cal -3	To show previous month's - current month's - next month's calendar	
50. cat file1 file2>file3	To merge file	Cat fl.txt f2.txt>f3.txt
51. cat filename sort	To sort the lines in ascending order	Cat fl.txt sort
52. cat filename less	To view a small portion of a large content in a file	Cat fl.txt less
53. cat -n filename	To list the line	Cat -nfl.txt

54. sort	To sort the lines on file	Sort fl.txt
55. sort -r filename	To sort the lines in descending order	Sort -r fl.txt
56. sort -u filename	To remove duplicate word	Sort -u fl.txt
57. mv filename directoryname	To move files	mv fl.txt d2
58. mv oldname newname	To rename files	Mv fl.txt nfl.txt
59. rm *	To remove all files	
60. rm -d dir_name	To remove empty directory	Rm -d d1
61. uname -n	Tells machine name in network	
62. uname -r	To display the version number of the OS	
63. ncal -bS	To display the current month starting from Sunday	
64. ncal -bM	To display the current month starting from Monday	
65. man & --help	To know more about a command	man cd
66. nl filename	To display number of lines with numbers	nl a.txt
67. nl -i2 filename	To increment the line number by 2	nl -i2 a.txt
68. sort -k 2 filename	will sort by the second field on each line of input	sort -k 2 a2.txt
69. head filename	To display first 10 lines	head fl.txt
70. head -6c filename	To display first 6 characters	head -6c f2.txt
71. head -5 file1 file2	To display 5 lines from 2 files	head -5 fl.txt f2.txt
72. tail filename	To display last 10 line	tail fl.txt
73. cut -c 1-4 filename	To show 1-4 characters of a file from each line.	cut -c 1-4 a.txt
74. cut -c 5- filename	To show rest of the characters after count 5 character from a files for each lines.	cut -c 5- a.txt
75. paste -d "," f1 f2	To merge each lines of two files with coma. Here instead of coma(,) other symbols can be used such as (*),(+),(-)etc,	paste -d "," a.txt b.txt
76. paste f1 f2	To show each line of the two files serially	paste a.txt b.txt
77. grep -i "word name" filename	To show specific line carrying a specific word. Not case sensitive.	grep -i "hello" a.txt
78. grep "word name" filename	To show specific line carrying a specific word. Case sensitive.	grep "Hello" a.txt

79. grep -v "word name" filename	It will show everything except the word that will be mentioned on command	grep -v "Hello" a.txt
80. grep -o "word name" filename	It will show only that specific word which will be mentioned	grep -o "Hello" a.txt
81. chmod 777 filename	Change the priority	Chmod 777 a.txt