

NATIONAL INSTITUTE OF BUSINESS MANAGEMENT
DIPLOMA IN SOFTWARE ENGINEERING -22.2F
OPERATING SYSTEMS
Course Work

1. Write and execute the commands for the following
 - a. Display the account name associated with the current login
 - b. Display Linux system information
 - c. Change your current directory to Desktop
 - d. Clear the screen
 - e. Create a New folder in desktop (Folder name should be your index no)
 - f. Change your current directory to the new folder.

2. Create a shell script file. (File name should be your first name)
 - a. Display the current permissions of the file.
 - b. Assign execute permissions for all the users for the file
 - c. Write the shell script with following conditions
 - Program should accept number of shares sold by the company as a user input.
 - If the number of shares sold ≥ 100 , A share price is 1000.00
 - If the number of shares sold ≥ 200 , A share price is 900.00
 - Else A share price is 1500.00
 - Display the total price of the shares

3. Create a shell script file. (File name should be your Last name)
 - a. Write a menu driven program using switch statement.
 - i. Accept marks of three students
 - ii. A function to find the total marks
 - iii. A function to find maximum mark

4. Answer the following questions (do not need to run the commands)
 - a. Briefly explain the following commands
 - i. `$ head file`
 - ii. `echo 'NIBM' >> file`
 - iii. `$ chmod 754 file`
 - iv. `$ cat file`

 - b. What is the difference between `$ grep NIBM file` and `$ grep -v NIBM file`

**Copy your scripts, the outputs and the answers to a word document and save the document as a pdf file with your student number and upload it to the LMS.*