

## INFORMATION TECHNOLOGY EDUCATION DEPARTMENT

**IOS 102 LAB**

**(Operating Systems Laboratory)**

**<LABORATORY SCHEDULE>**

EXERCISE

3

**Linux Directory and File Creation Commands**

<STUDENT NAME 1>

<STUDENT NAME 2>

DATE

**Experiment No. 3: Directories and File Creation**

**I. Objectives:**

* Create directory and sub-directories using **mkdir command**
* Move between directories using **cd command**
* Create a text file using **cat command**
* List the files in a particular directory using **ls command**
* Display current working directory using **pwd command**

**Note: Save this file as *SURNAME1\_SURNAME2\_ EXPT3.DOCX***

**II. Tasks / Procedure / Instructions:**

**Part I. Knowing your working directory and creating directories.**

To create a new directory, use **mkdir command.**

**Syntax: $ mkdir *directoryname***

1.Type the command ***pwd*** at your default prompt :~$

Paste your captured executed command below.

2. What is the meaning of ***pwd***?

Answer:

3.Create a directory at your current directory**.** *(Use your* ***surname1\_surname2*** *as your directory name)*

Paste your captured executed command and output below.

4**.** Type ***ls*** to check the content of your current working directory.

Paste your captured executed command and output below.

5. Create a directory tree. The following command will created a directory tree where **dirC** will be

created under **dirB** and **dirB** is created under **dirA.**

Type the command at your prompt :~$  **mkdir –p dirA/dirB/dirC**

Paste your captured executed command and output below.

**Part II Move between directories.**

To move to a directory, use **cd command**.

**Syntax: $ cd *directoryname***

1. Move to your surname directory.

Paste your captured executed command and output below.

2. What is your current prompt?

Answer:

3. Move to the **dirA** directory. First, you need to exit from **surname1\_surname2 directory** and go back to your **home** directory. To do this, type the following:

**$ cd ~** *(There is a space between cd and ~)*

Paste your captured executed command and output below.

4. What is your current prompt?

Answer:

5. Move to **dirB** and **dirC** sub-directories.

Paste your captured executed command and output below.

6. What is your current prompt?

Answer:

7. Move one level hierarchy down from the current directory.

Type the command**, cd ..** *(There is a space between cd and ..)*

Paste your captured executed command and output below.

8. What is your current prompt?

Answer:

9. Go back to your home directory.

Paste your captured executed command and output below.

10. What is your current prompt?

Answer:

**Part III Create a file.**

To create a file, use **cat command**.

**Syntax: $ cat >*filename***

1. Create a file called file1 in **dirA**.

**$ cat >file1**

**My name is Bond.**

**James Bond.**

**Some call me Agent Bond.**

**Others call me Agent 007.**

**Don’t mess with me.**

**[Ctrl+D]**

Paste your captured executed command and output below.

2. Open the file1.

**$ cat file1**

Paste your captured executed command and output below.

3. List the file/s at **dirA.**

Paste your captured executed command and output below.

**Part IV Challenge**

1. List the files / directories in your surname directory.

**$ ls**

What files / directories do you see?

Paste your captured executed command and output below.

2. Go to your **dirC** directory.

Paste your captured executed command and output below.

3. Create a file called **myinfo** using cat command in **dirC.** The file should contain 50 lines about you and your partner. (25 lines for each student). Make the first line as your full name. Number each line.

Paste your captured executed command and output below.

4. Open your **myinfo** file using cat command.

Paste your captured executed command and output below.