

Lab 3 Submission

Question 1

The screenshot shows a Linux desktop environment. The top bar displays the date and time as "Oct 13 11:11 PM" and system status icons for battery (29%), network (63%), and storage (0%). The desktop background is a dark, abstract image. In the foreground, there are three windows:

- Web Browser:** Displays a page titled "Linux Fundamentals" with a sidebar menu. The main content area is titled "Exploring GNOME System Settings" and lists tasks for configuring the system. The tasks include opening the Settings app, GNOME Tweaks, and the Search section. A "Deliverable Question 1" section asks for a screenshot of the full virtual machine screen, with instructions to name the file "q1.png" and save it in the "lab3" folder.
- Settings Window:** Shows the "Search" section, which includes a toggle for "App Search" (turned on) and a list of search results for "Settings", "Contacts", "Files", and "Calculator".
- Tweaks Window:** Shows the "Mouse" section, which includes a toggle for "Middle Click Paste" (turned on).

The bottom of the screen shows a dock with various application icons, including the Dash, Home, Files, and Settings.

Question 2

Linux Fundamentals

MODULES

- Module 1 What is Linux?
- Module 2 Using Ubuntu
- Module 3 Administration

WEEK_REPORT

- Week Report 1
- Week Report 2
- Week Report 3
- Week Report 4

LABS

- Lab 1 - Learning Markdown
- Lab 2 - Installing Debian 13
- Lab 3 - The GNOME DE and The Bash Shell
- Lab 4 - Software Installation and Shell Scripting

DOCUMENTATION

- Frequently Asked Questions
- Markdown Cheat Sheet

GUIDES

- Customize Gedit
- FORMAT control characters
- How to Setup Git and Github in Ubuntu 20.04
- How to install Starship Shell
- Install Jekyll
- Install NodeJS

This site uses Just the Docs, a documentation theme for Jekyll.

Deliverable Question 2

Take a screenshot of Tilix.

- Name the screenshot: q2.png
- Save it in your `lab3` folder/directory.

Question 3: Trying Out Some Basic Commands

In this question, we will learn how to read the manual (man) page of a command and how to work with two terminals at the same time. The command we will focus on is `echo`.

Step 1: Split the terminal

- Open Tilix.
- Split it vertically so you have two terminal panes.

Step 2: Open the manual page

- In the right terminal, open the manual page for `echo` using the command: `man echo`
- Navigate the manual page using:
 - Arrow keys to scroll line by line
 - Spacebar to scroll one page at a time
- To open the help page inside the manual reader (for additional commands and navigation tips), press `h`.
- To exit the manual page, press `q`.

Step 3: Using the echo command

- The basic usage of `echo` is: `echo "string to print to the screen"`
 - Tip:** Quotes are optional but recommended, as they help avoid issues

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Warning: If your screenshot does not show where in the man page you found the answer, you will not be awarded a passing grade for this question. The example clearly shows the command options in the man page that solves the problem.

Deliverable for challenge question

Take a screenshot of Tilix for the answer of each question.

- Name the screenshots: q5.1.png, q5.2.png, q5.3.png, q5.4.png
- Your screenshot should show the command and the man page. Just like the example
- If more than 1 screenshot is needed, use the following naming convention:
 - q5.1.1.png, q3.1.2.png
- Save it in your `lab3` folder/directory.

Special Note 1 - Practice the man command!

The challenge question in this lab is similar to the type of questions you will see in your final exam. In the final exam, you will have access to your notes and the man pages but not to the internet or any LLM. This means that you should use the challenge question as practice playground. Learn how to use the man pages efficiently and practice the workflow of having 2 terminals open.

Special Note 2 - Git Command Quick Reference

You'll be using Git frequently this semester. Here's a quick reminder of the

DESCRIPTION

Echo the STRING(s) to standard output.

- `-n` do not output the trailing newline
- `-e` enable interpretation of backslash escapes
- `-E` disable interpretation of backslash escapes (default)
- `--help` display this help and exit
- `--version` output version information and exit

If `-e` is in effect, the following sequences are recognized:

- `\\` backslash
- `\a` alert (BEL)

page echo(1) line 10 (press h for help or q to quit)