



Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Assessment type (☑):

- ☐ Questioning (Oral/Written)
☐ Practical Demonstration
☐ 3rd Party Report
☒ Other – Project/Portfolio (Part of assessment task 1)

Assessment Resources:

- PC
- Google
- Computer components PowerPoint
- Linux Virtual Machine

Assessment Instructions:

Instructions to the assessor:

This lab is a part of Assessment Task 2 portfolio, it is a practical lab based on the performance criteria requirements of the unit. Each student should be given a copy of this lab to complete either in class or out of class. As the student completes each section of this lab you should verify, check off and sign off the section (Use this document as the observation checklist). Use the assessor section at the bottom to provide feedback to the student if required. See the instructions to the student section for the remainder of the instructions.

Instructions to the student:

This lab consists of activities that you perform on the hardware and software nominated concerning preventative maintenance and base level troubleshooting procedures. There are several short answer questions where you will be asked to research and answer questions relating to these topics. You are encouraged to use the documentation in the resource section to help you work on the requirements.

Time:

Nominally 120 mins

Due date:

This lab is part of assessment 1 and inherits its due date.

Submission instructions:

When the lab is complete, submit the assessment via Blackboard.

Reasonable adjustment:

Should there be difficulty with reading technical manuals relating to disability of language and literacy levels you are encouraged to use online video tutorials similar to the following:

- https://www.youtube.com/watch?v=HBP8_LqBj44

Your Student ID: 20145454	Your Name: Rajib Hossain Khan
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Qualification national code and title	AE780 Transition to Cyber Security Skillset
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Lab: Linux File Management and Basic Command-Line Operations

Objective

This lab will guide students through basic file and directory management tasks using the command line. By the end of this lab, students will:

- Create and navigate directories.
- Work with files (create, delete, list).
- Use basic terminal commands effectively.
- Take screenshots of each step as evidence of completion.

Instructions for Students

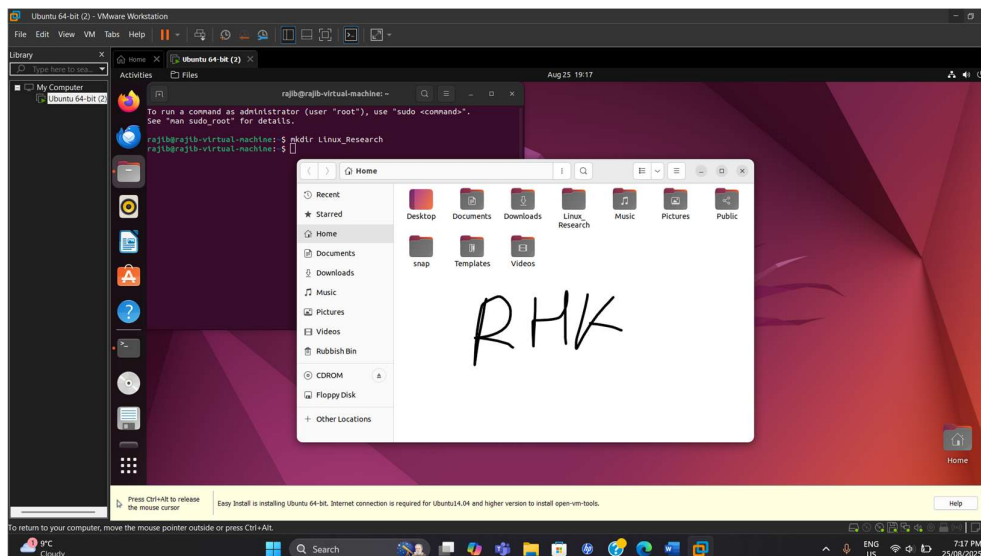
Step 1: Create a New Folder

1. Open the command-line interface:
 - **Linux:** Open Terminal.
2. Create a new folder named Linux_Research using the following command:

```
mkdir Linux_Research
```

3. Take a screenshot of this step and paste it below.

Screenshot 1: Folder Creation





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

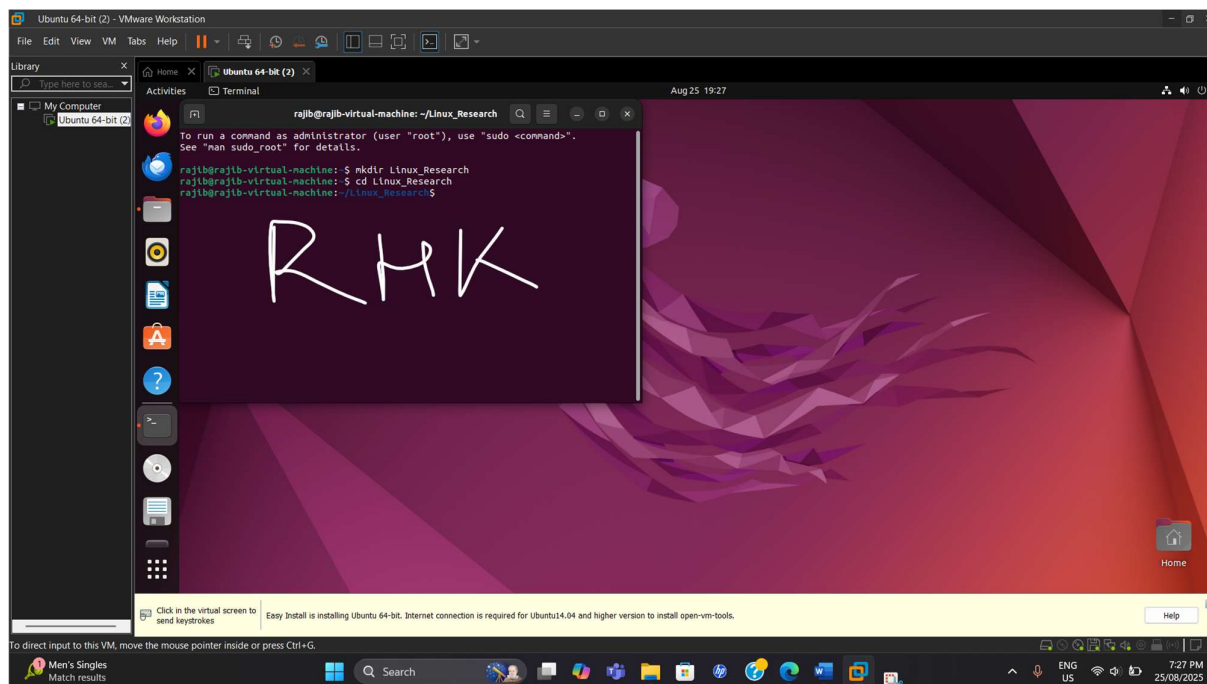
Step 2: Navigate into the Folder

1. Move into the directory:

```
cd Linux_Research
```

2. Take a screenshot of the command executed.

Screenshot 2: Navigating into the Folder





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 3: Print the Current Directory

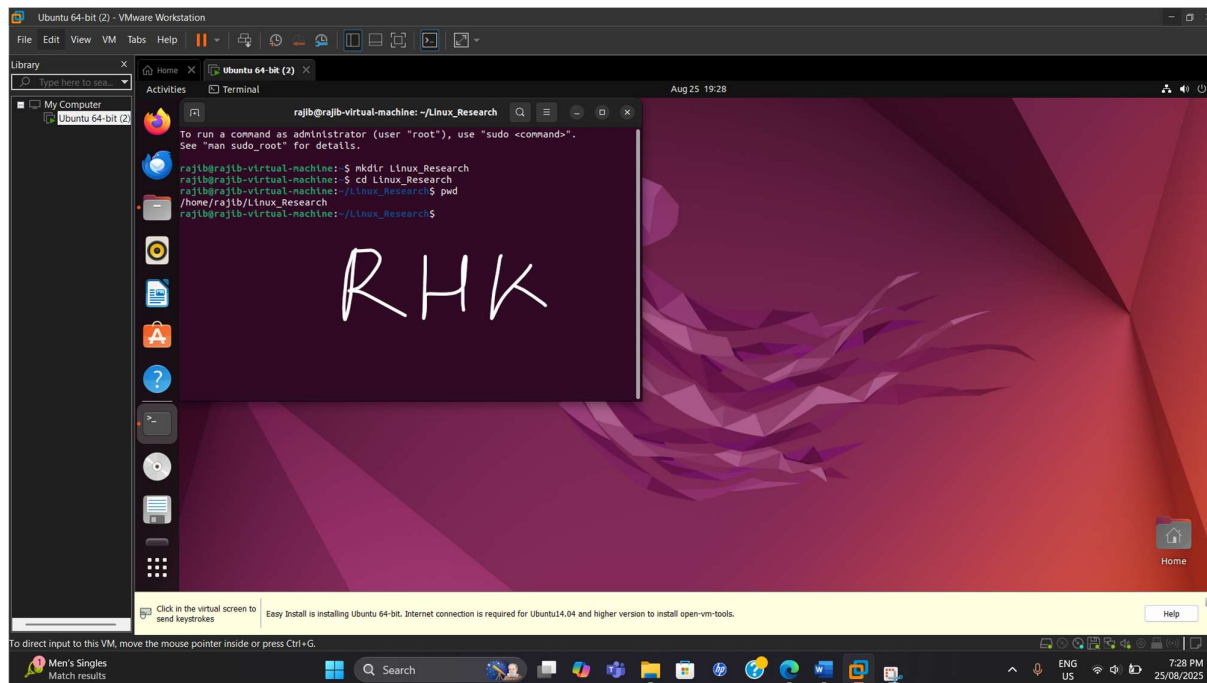
1. Print the working directory to confirm that you are in the correct location:

Linux (Terminal):

pwd

2. Take a screenshot of the output.

Screenshot 3: Printing Working Directory





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 4: Create Three Files

1. Create three new files inside Linux_Research

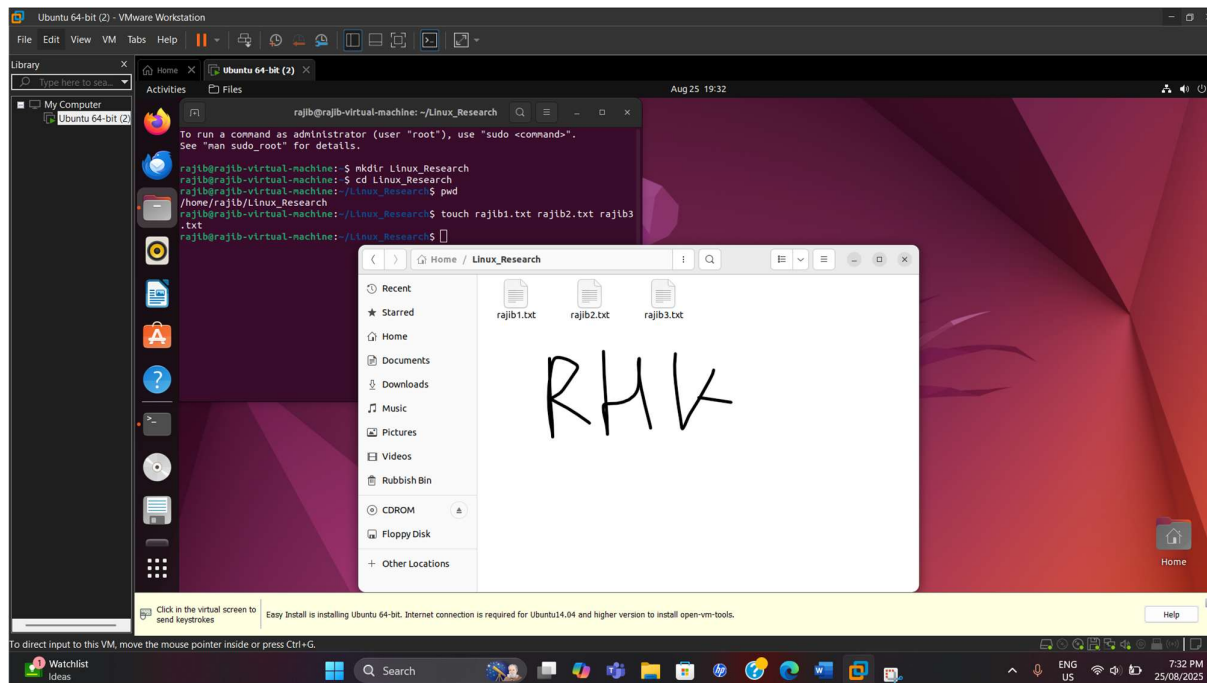
Linux (Terminal):

Touch *stdname1.txt stdname2.txt stdname3.txt*

(Replace stdname with your name)

2. Take a screenshot of the command execution.

Screenshot 4: Creating Files





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 5: Delete the stdname3.txt File

1. Delete the stdname3.txt file:

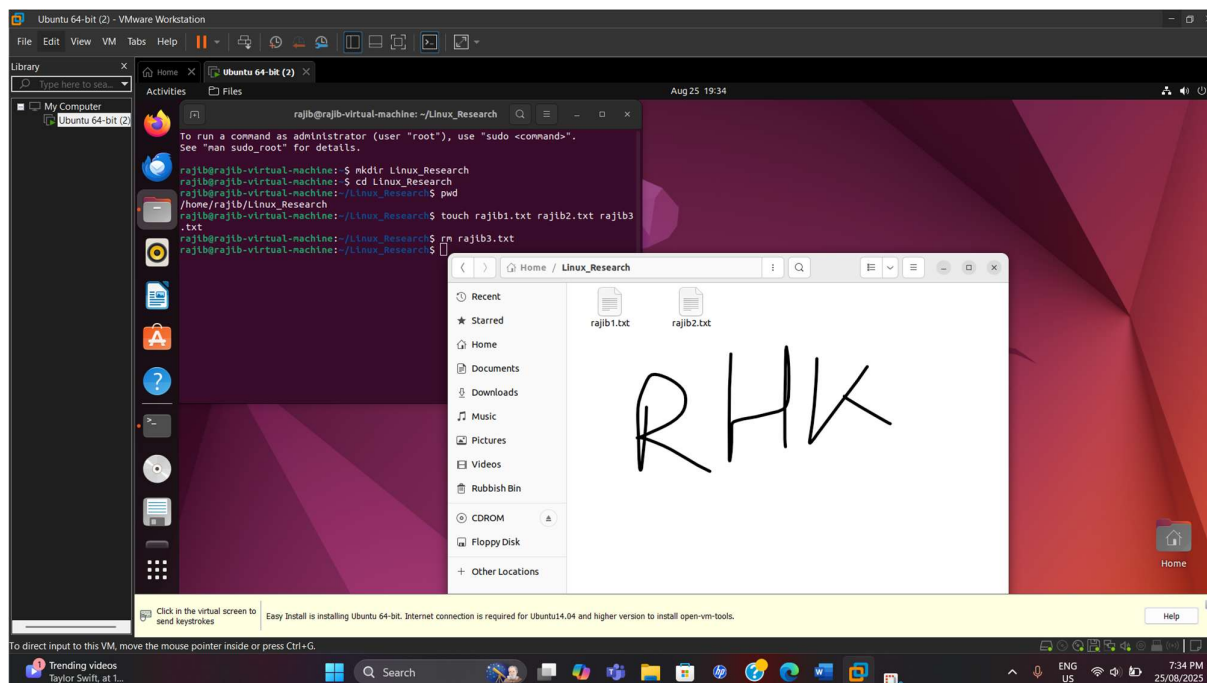
Linux (Terminal):

```
rm stdname3.txt
```

(Replace stdname with your name)

2. Take a screenshot of this step.

Screenshot 5: Deleting File





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 6: Display All Files in the Folder

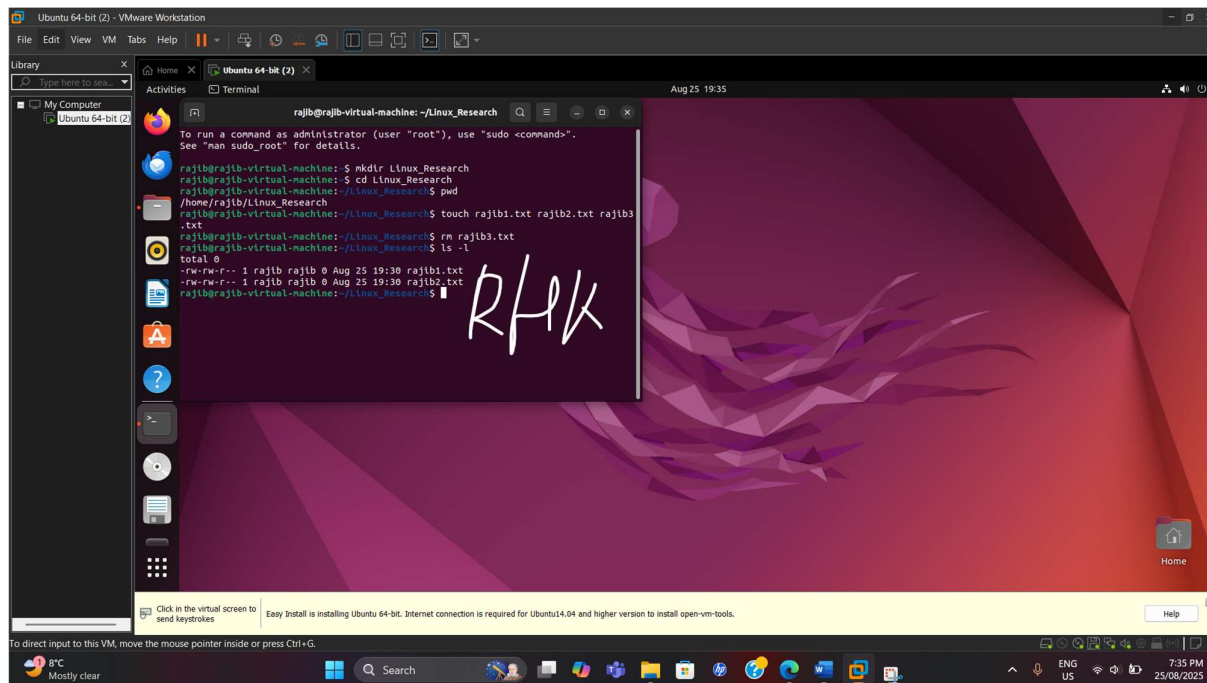
1. List the remaining files:

Linux (Terminal):

ls -l

2. Take a screenshot of the output.

Screenshot 6: Listing Files





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 7: Open Created File

1. Open one of the created files using nano:

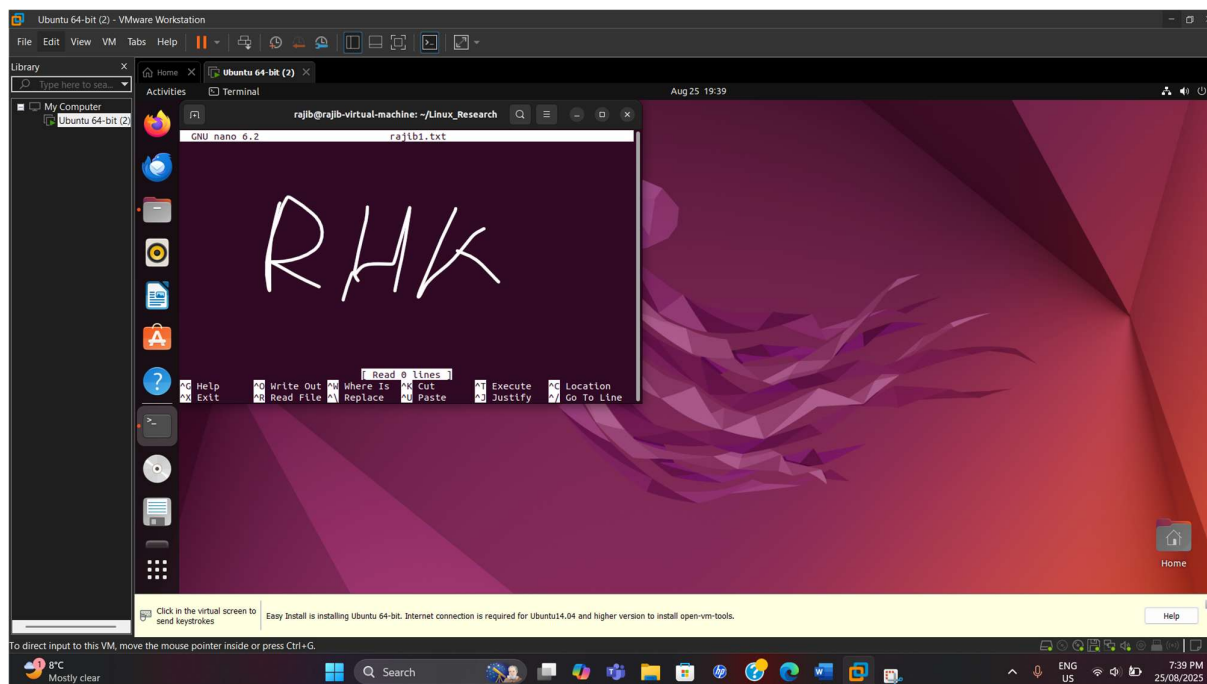
Linux (Terminal):

```
nano stdname1.txt
```

(Replace stdname with your name)

2. Take a screenshot of the output.

Screenshot 7: Open Created File





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 8: Write and Save the File

1. Add text to opened file

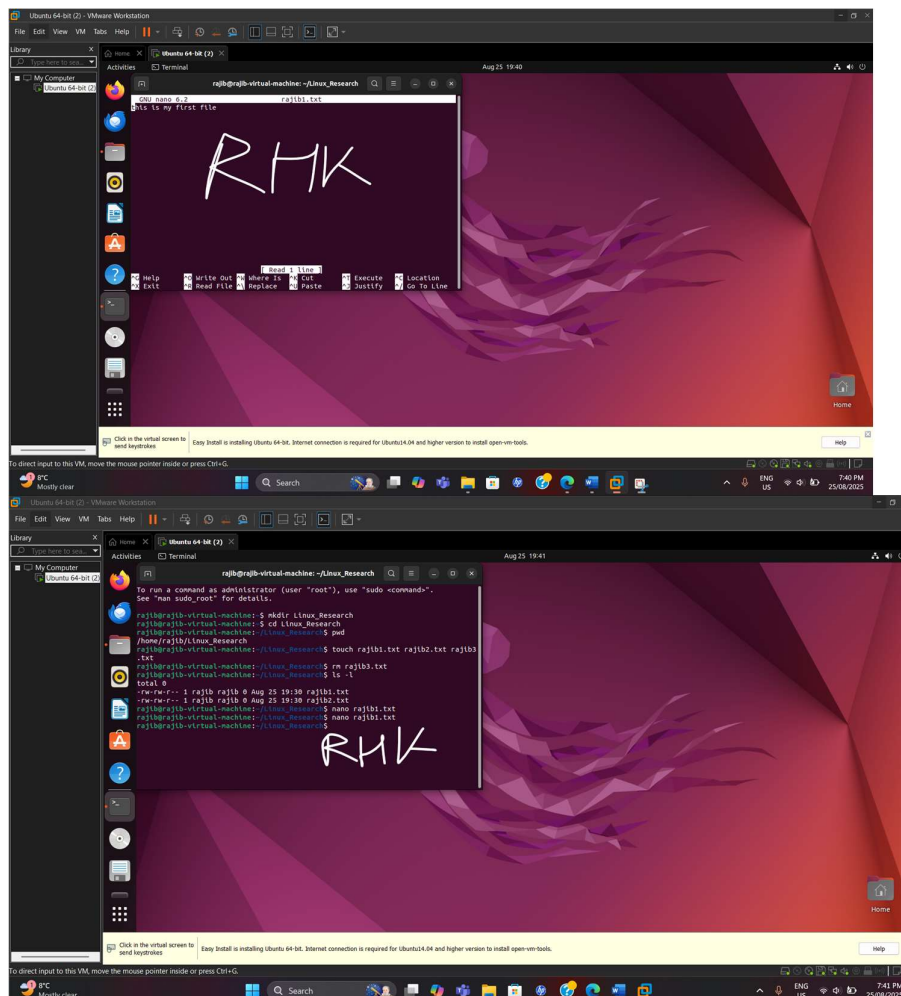
Linux (Terminal):

this is my first file

2. Save the file using following command

CTRL X

Screenshot 8: Write and Save the File





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 9: Clear the Terminal

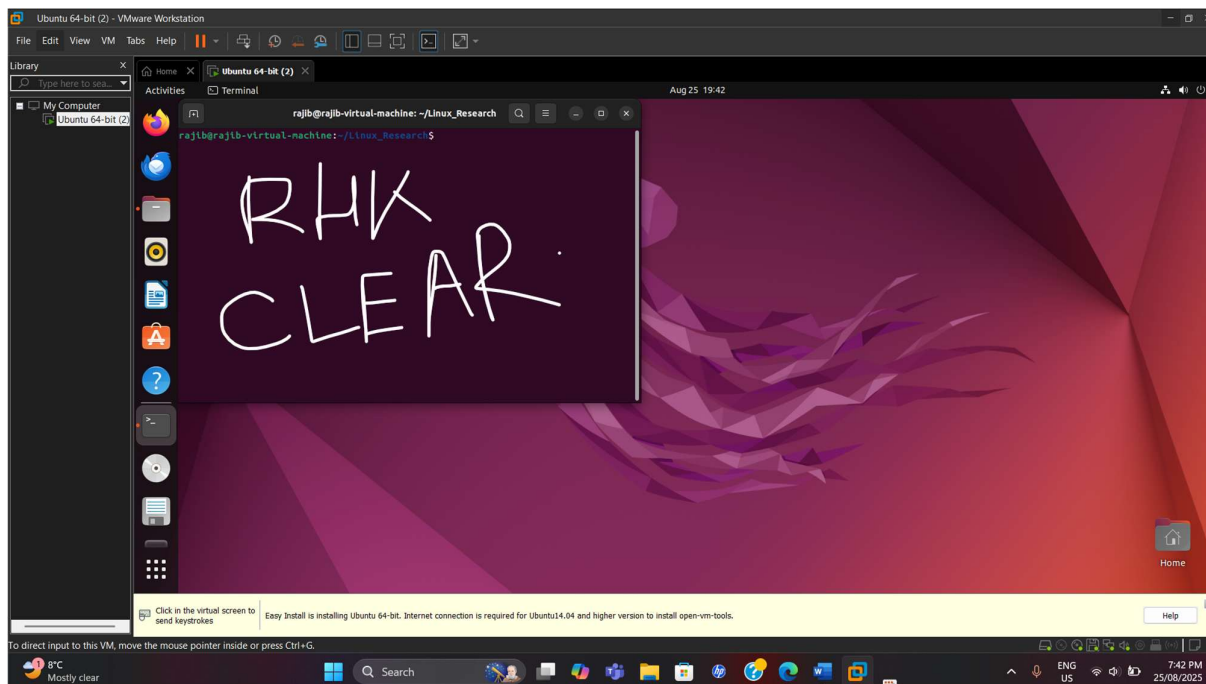
1. Clear the terminal window:

Linux (Terminal):

clear

2. Take a screenshot of the cleared terminal.

Screenshot 9: Clearing the Terminal





Qualification national code and title	AE780 Transition to Cyber Security Skillset
Unit/s national code/s and title/s	VU23214: Configure and secure networked end points

Step 10: Navigate Back to Home Directory

1. Navigate back to home directory:

Linux (Terminal):

```
cd ..
```

2. Take a screenshot

Screenshot 10: Navigate Back to Home Directory

