

Windows/Linux Group Assignment

**Group 10**

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SYST8011

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**Table of Contents**

<b>Table of Contents .....</b>	<b>2</b>
<b>Project - Windows/Linux Group Project .....</b>	<b>3</b>
<b>Part 1 – Project Topic and Report.....</b>	<b>3</b>
Topic .....	3
Description.....	3
Project Plan .....	3
<b>Part 2 – Screenshot of the Building Project .....</b>	<b>4</b>
Screenshots .....	4
Project Summary .....	9

## **Project - Windows/Linux Group Project**

### **Part 1 – Project Topic and Report**

#### **Topic**

The topic of the project is sharing the file from Linux to Windows using PowerShell.

#### **Description**

The main thing of the project is to share a file from Linux to Windows using PowerShell. There are many ways to share a file from Linux to Windows, but we choose SCP command using PowerShell. SCP is the Secure Copy Protocol. (Linuxize, 2023)

The Syntax of the command is:

**scp -r username@linux\_ip:/path/to/source/directory C:\path\to\destination\directory**

scp: It is securely copying a file between hosts.

-r: Recursively copy of entire directories.

username@linux\_ip: The username and IP address of the Linux machine.

:/path/to/source/directory: The path of the source of the Linux machine.

C:\path\to\destination\directory: The path of the destination directory of the Windows machine.

#### **Project Plan**

Step 1: Enable both Linux and Windows Machine.

Step 2: Open PowerShell on Windows machine.

Step 3: Write a command of `scp -r username@linux_ip:/path/to/source/directory C:\path\to\destination\directory`

Step 4: After writing command give the password of your Linux machine means source.

Step 5: Successfully copy a file from Linux to Windows using PowerShell.

We start these projects around 2 April 2024 around 1 week ago. We do lots of research on the internet how to copy file from Linux to windows and see some basic videos of the projects that we completed in 1 week. There is something 32 hours to complete the project and build this word file. (EasyTechStudios, 2022)

## Part 2 – Screenshot of the Building Project

### Screenshots

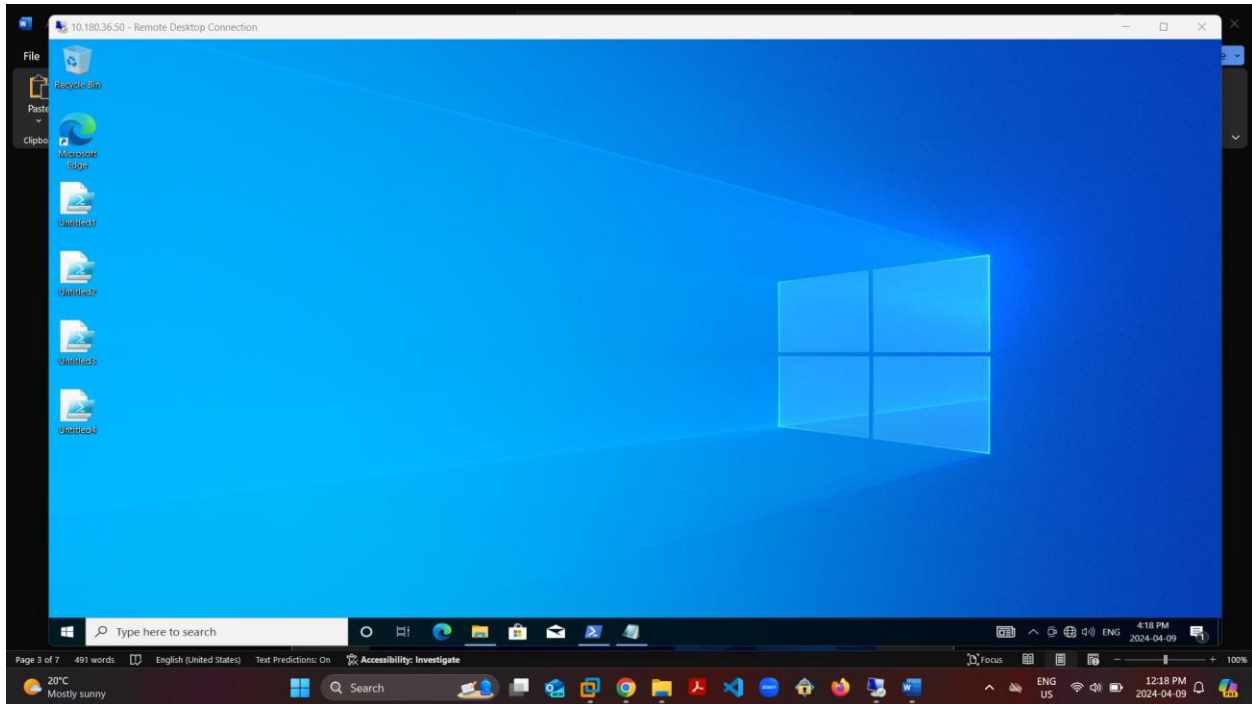


Fig 1: Picture shows Remotely access Another Windows machine in Vatsal's System.

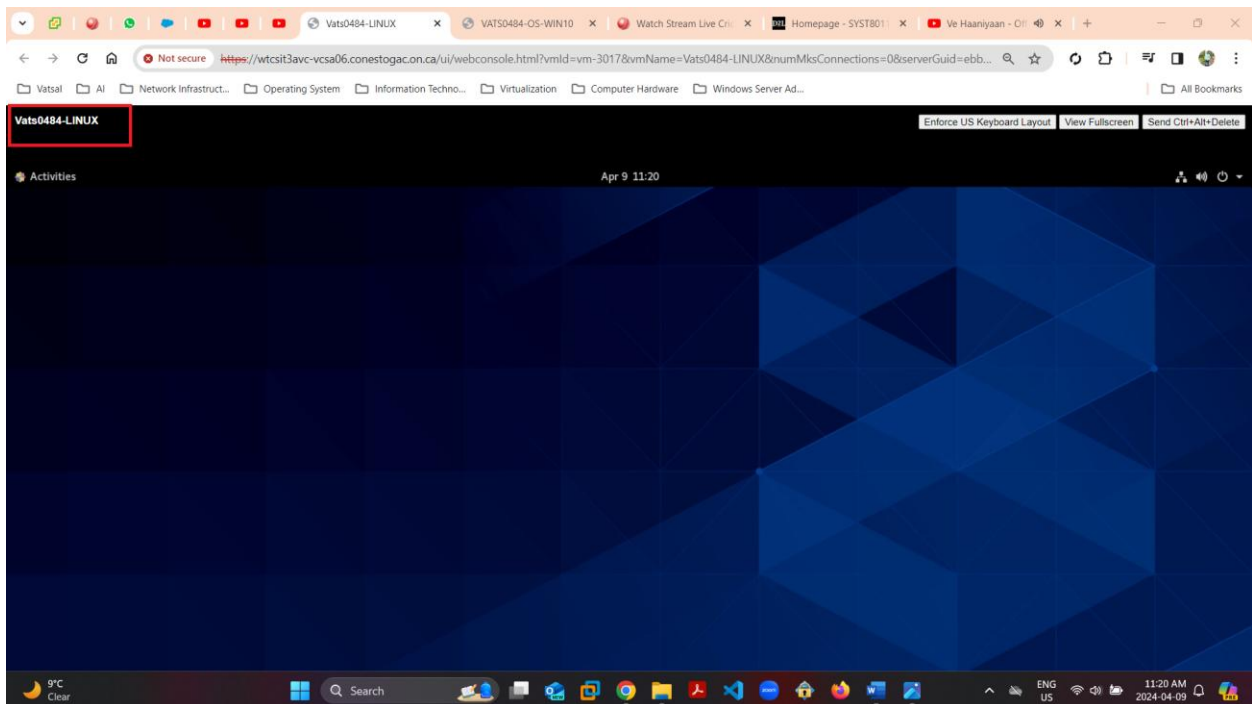


Fig 2: Picture shows Successfully logged into Linux in Vatsal's System.

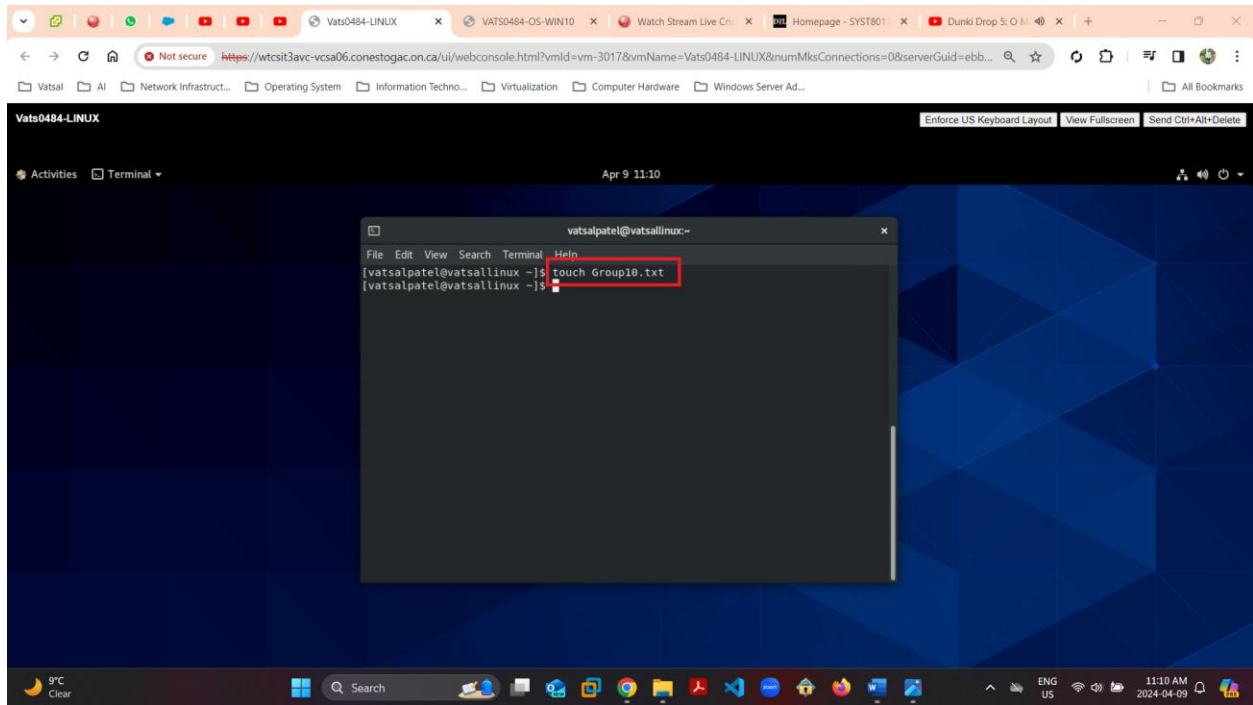


Fig 3: Picture shows Creating a file into Linux Machine Name is Group10.txt

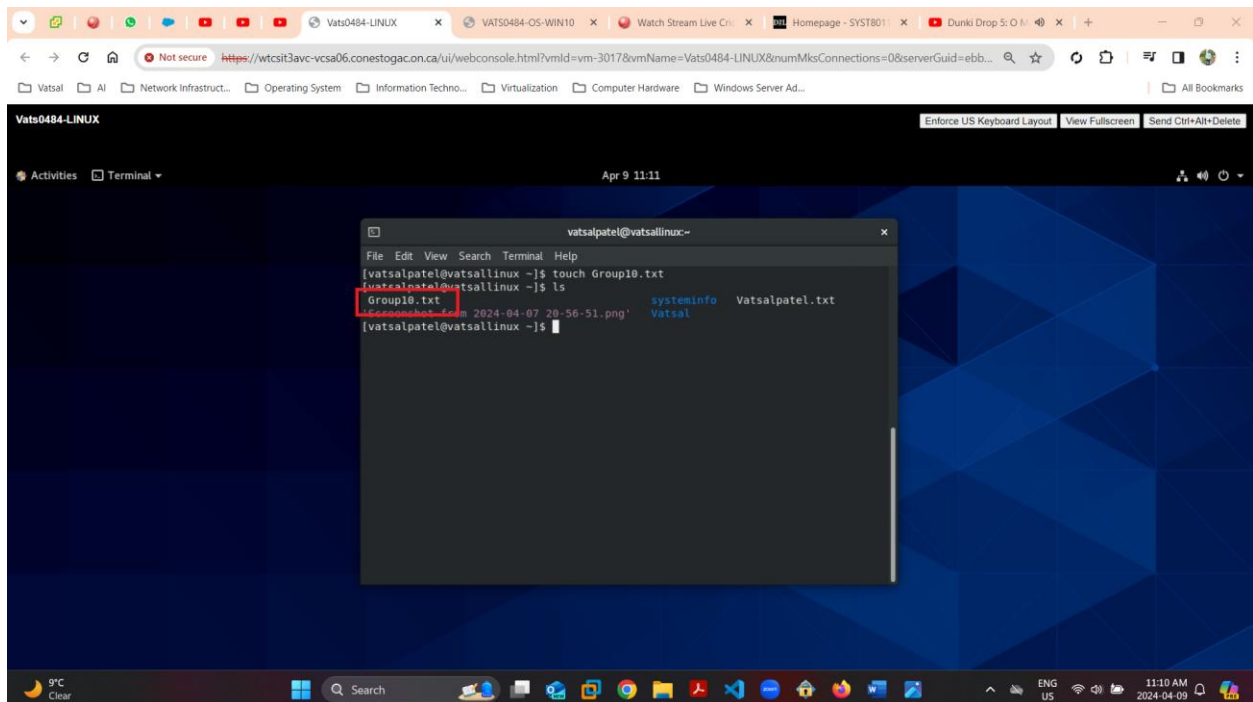


Fig 4: Picture shows File Group10.txt created successfully in Linux machine.

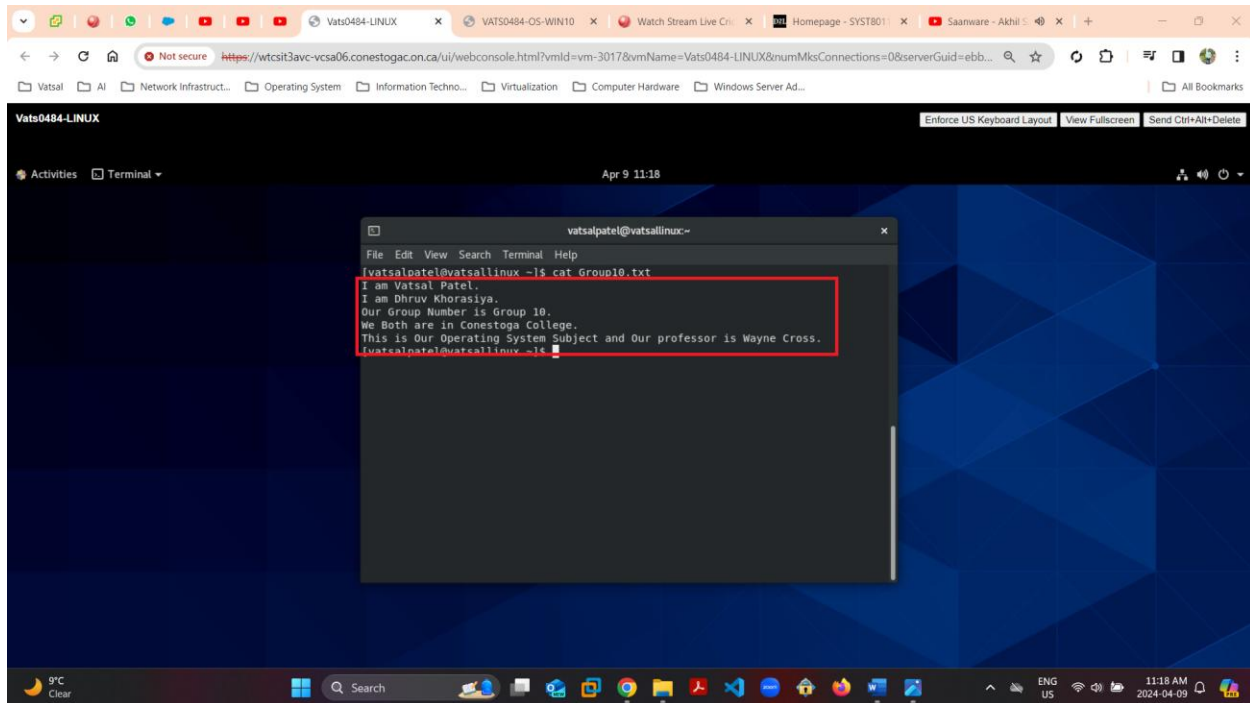


Fig 5: Picture Shows the content of the Group10.txt File.

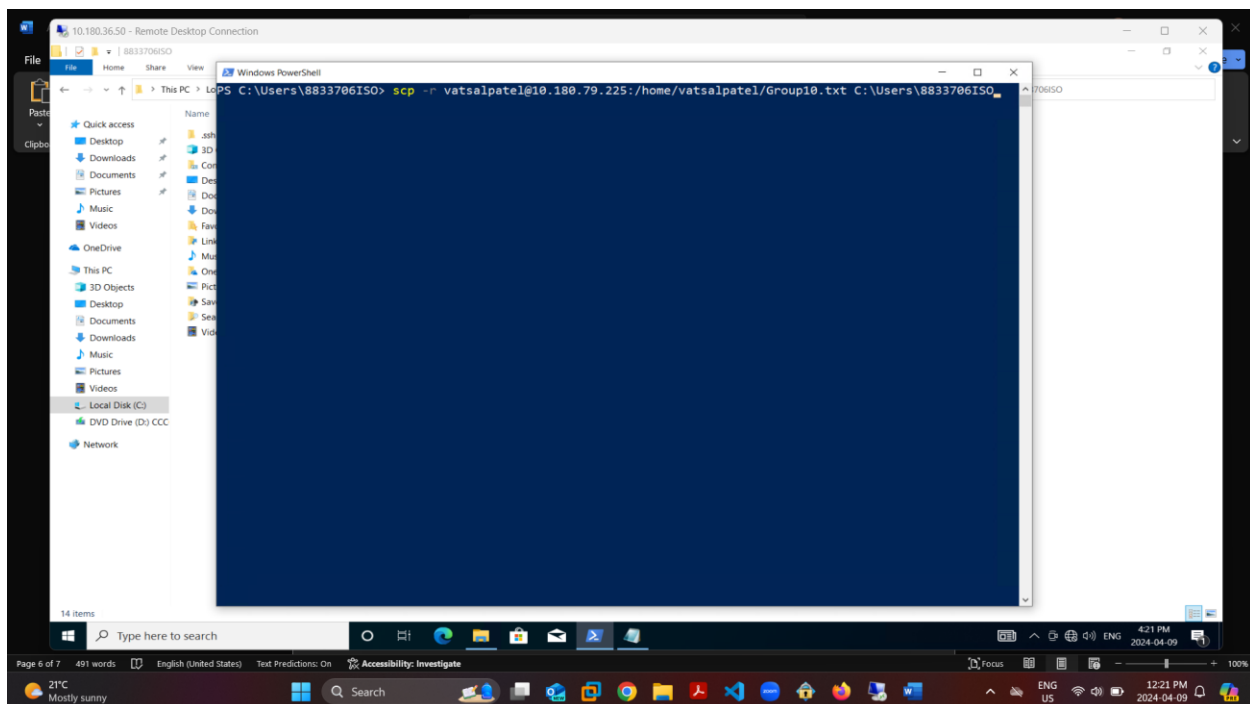


Fig 6: Picture shows give the PowerShell command to sharing a file from Linux to Windows.

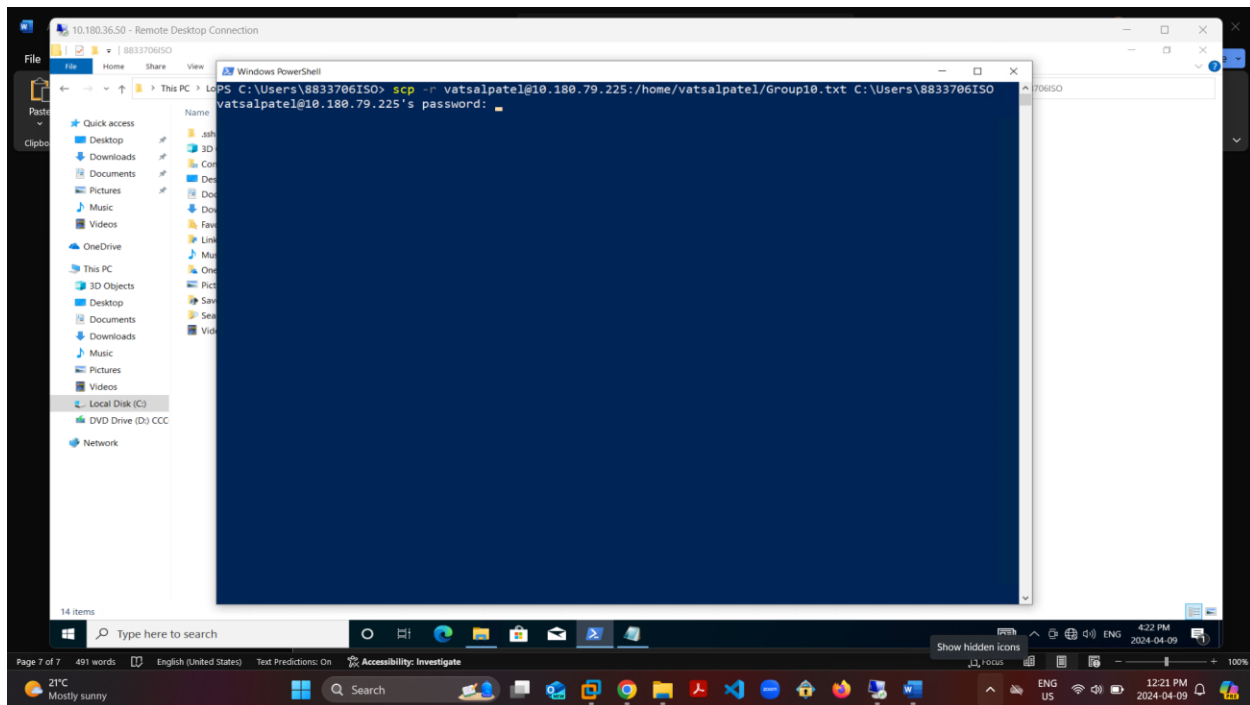


Fig 7: Picture shows Give the password of your Linux machine.

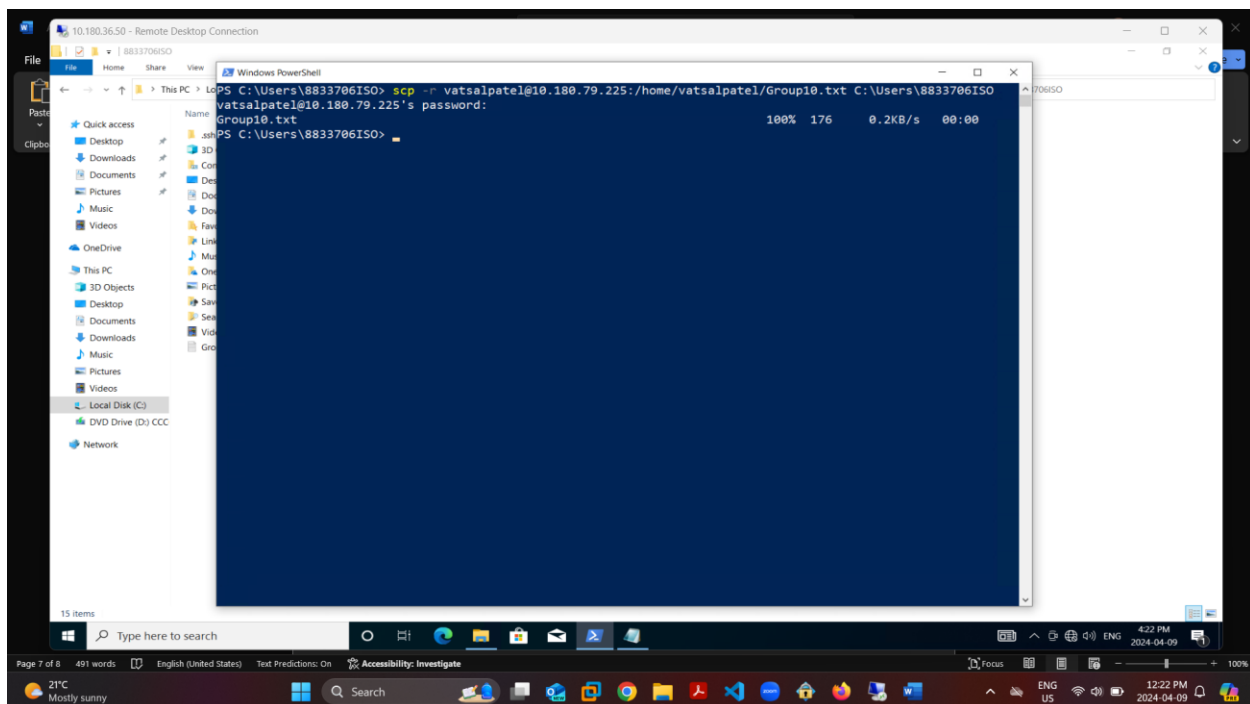


Fig 8: Picture shows file Group10.txt Share successfully in Windows machine.

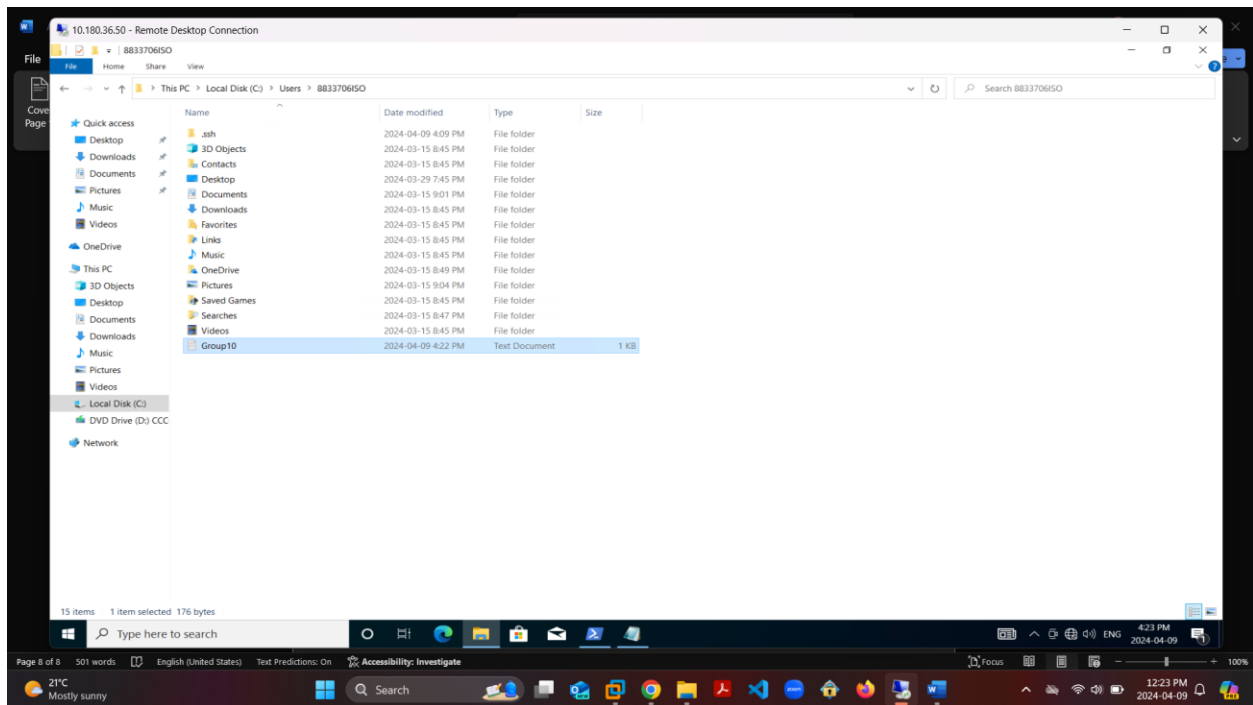


Fig 9: Picture shows file Group10.txt in Another Windows machine.

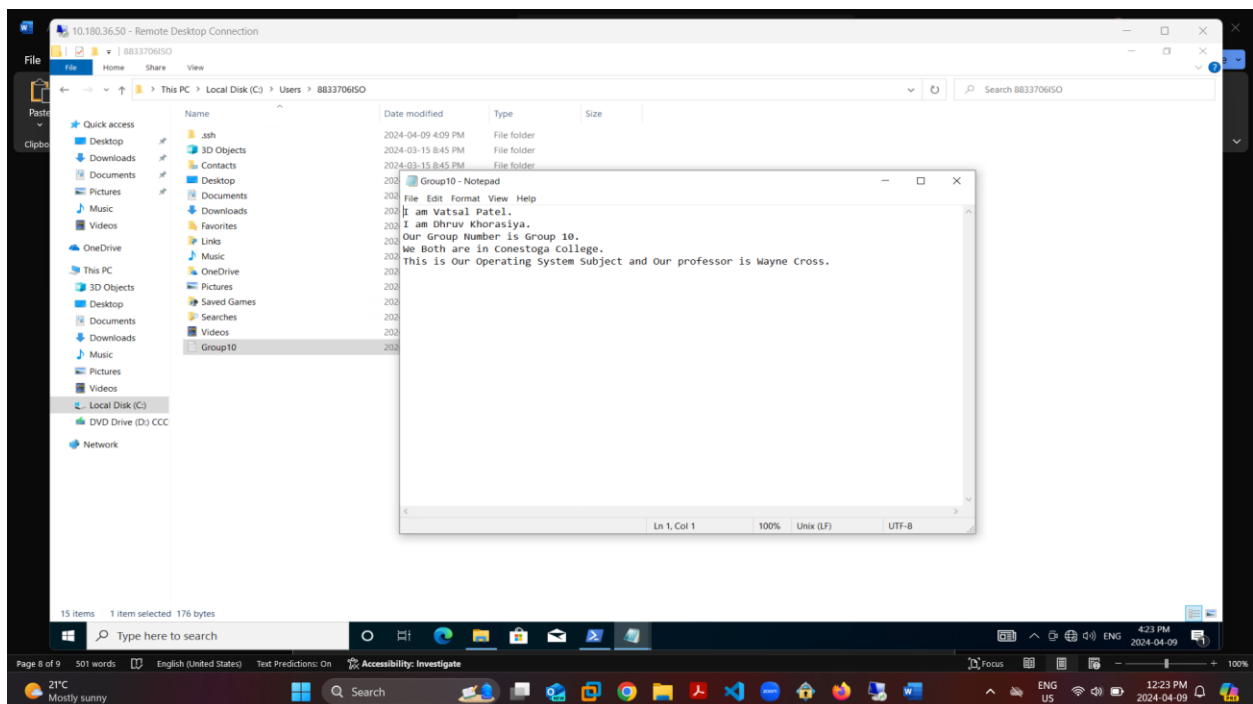


Fig 10: Picture shows the content of the Group10.txt File.



**Project Summary****1) Was Your Project Successful?**

**Ans.** Yes, our project is working successfully. We are using PowerShell in our Windows machine to share a file between Windows and Linux. We use scp command to share a file between Windows and Linux. It will work successfully.

**2) Does the completed project differ from what was first proposed**

**Ans.** No, it was no different than what we proposed. It has come out as we expected. The command was working fine with the system. We tried to execute the file so many times, and it was always successful.

**3) Was there any aspect that was more difficult or easier than expected.**

**Ans.** Some aspects are easier like we are already familiar with the Linux environment, so it comes in handy for working with it. The hard part was to come up with the right path to execute the scp command, which takes a lot of time to give an accurate path. But after getting it, it is now easy to find an exact path for any file.