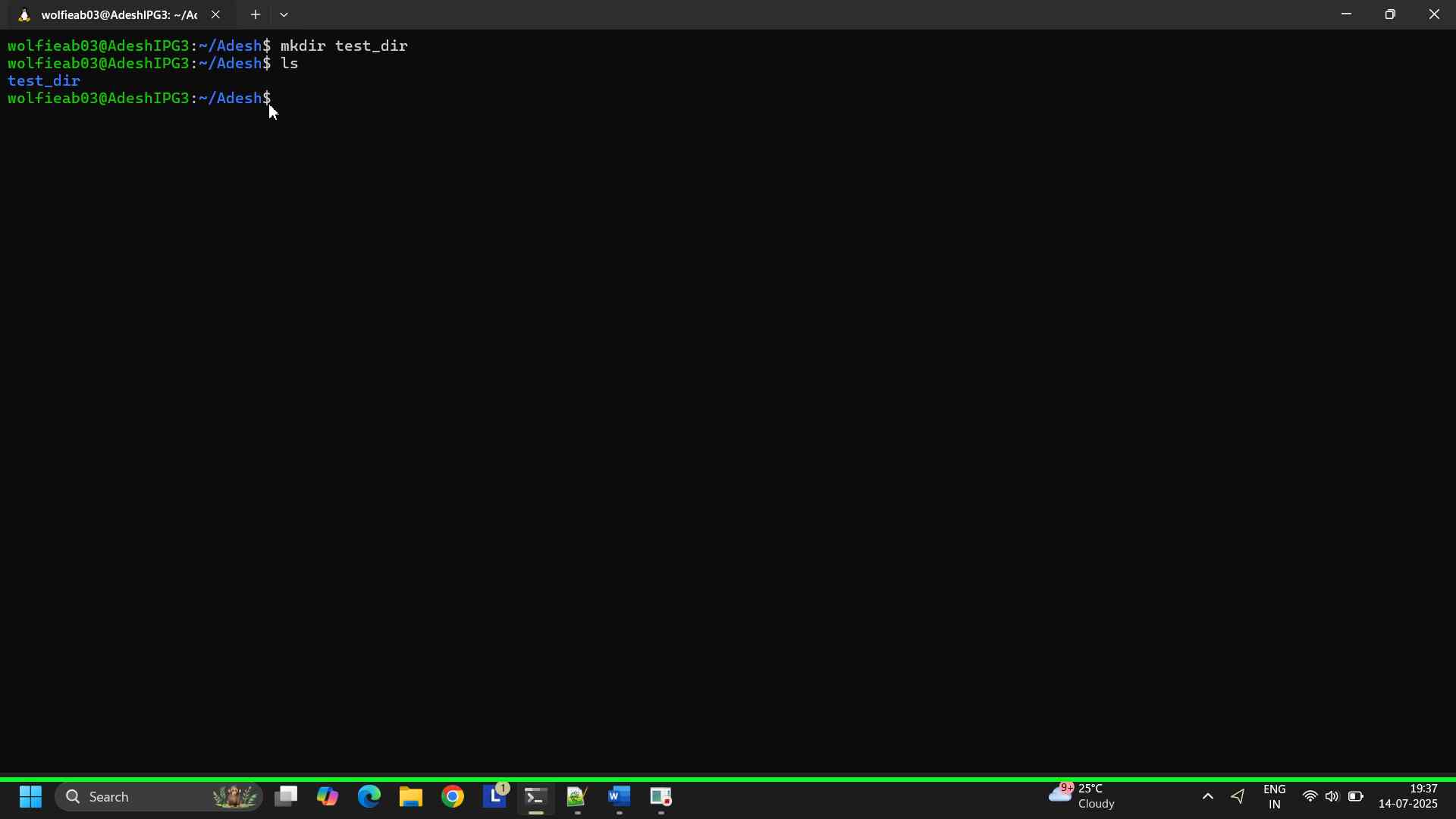
Linux assignment –

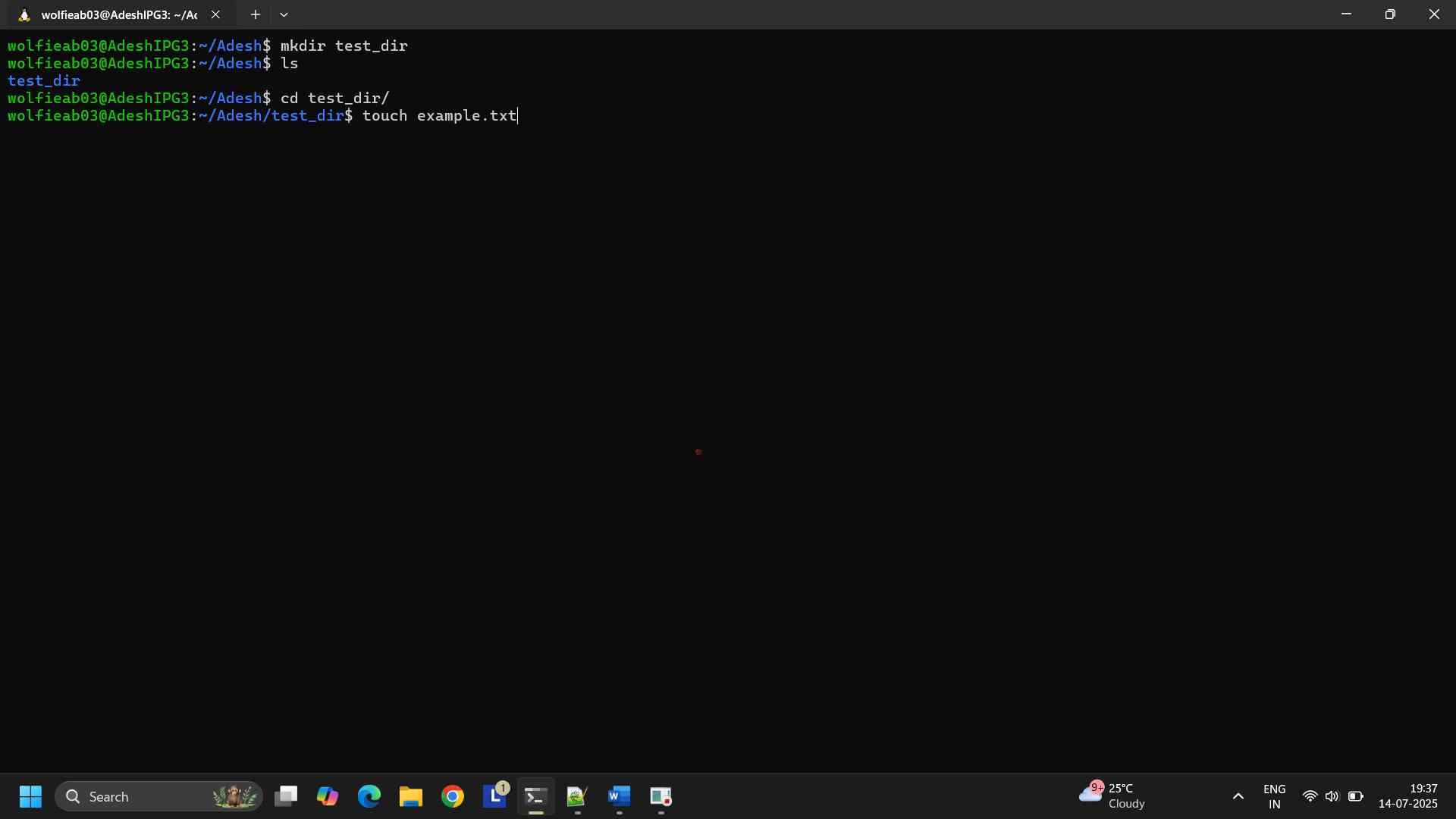
1. Creating and Renaming Files/Directories

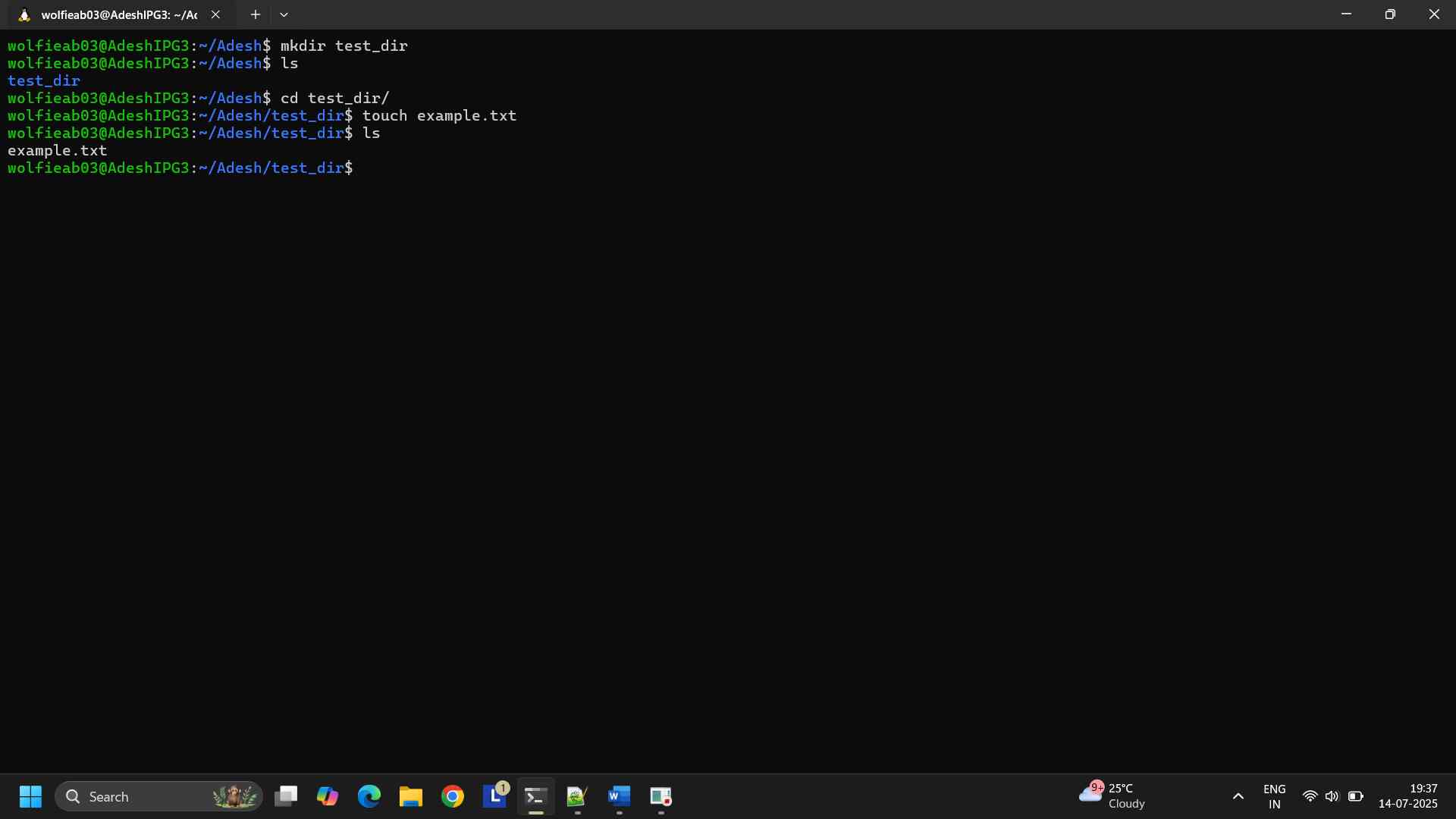
Create a directory named test\_dir using mkdir.

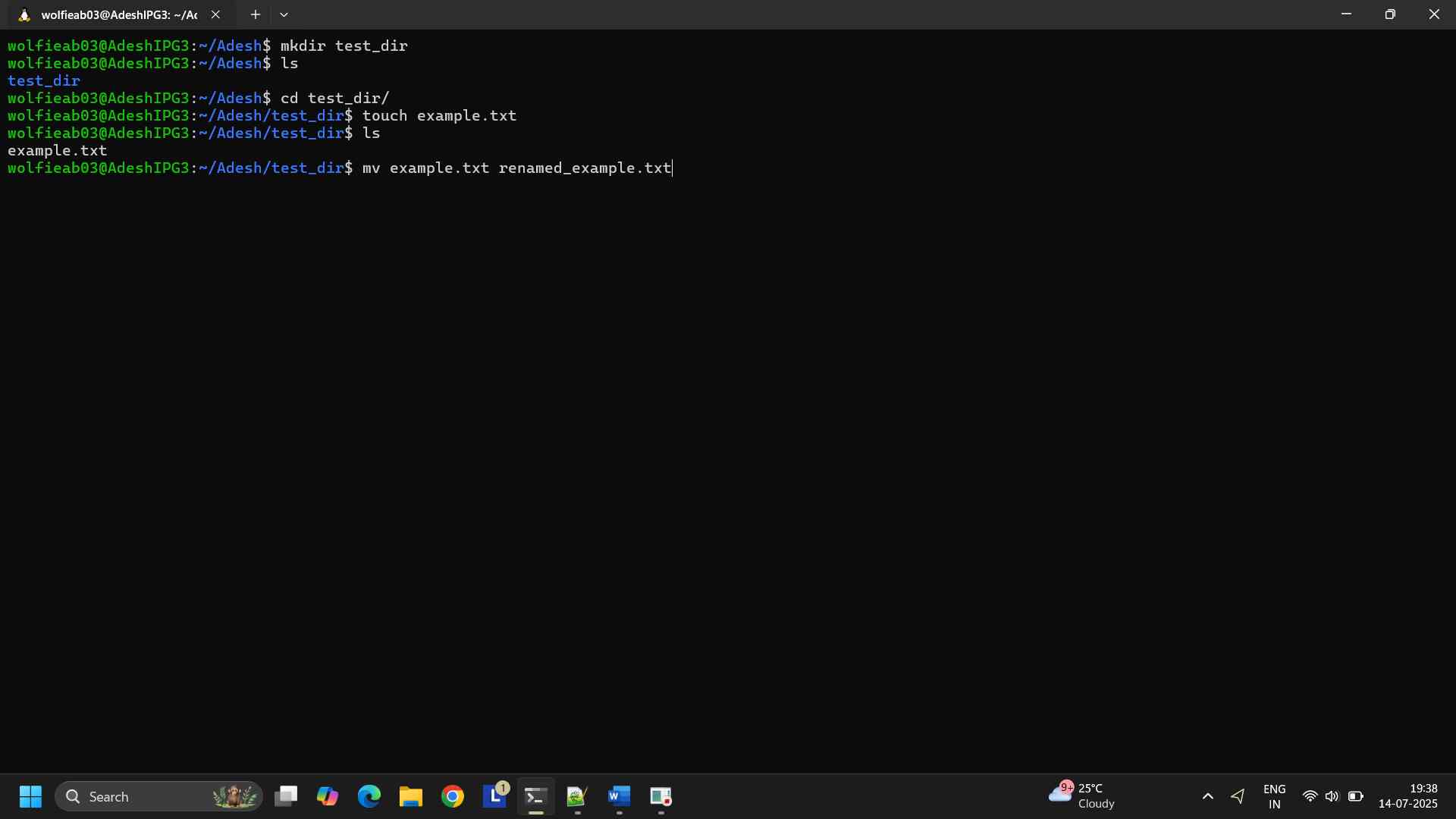
Inside test\_dir, create an empty file called example.txt.

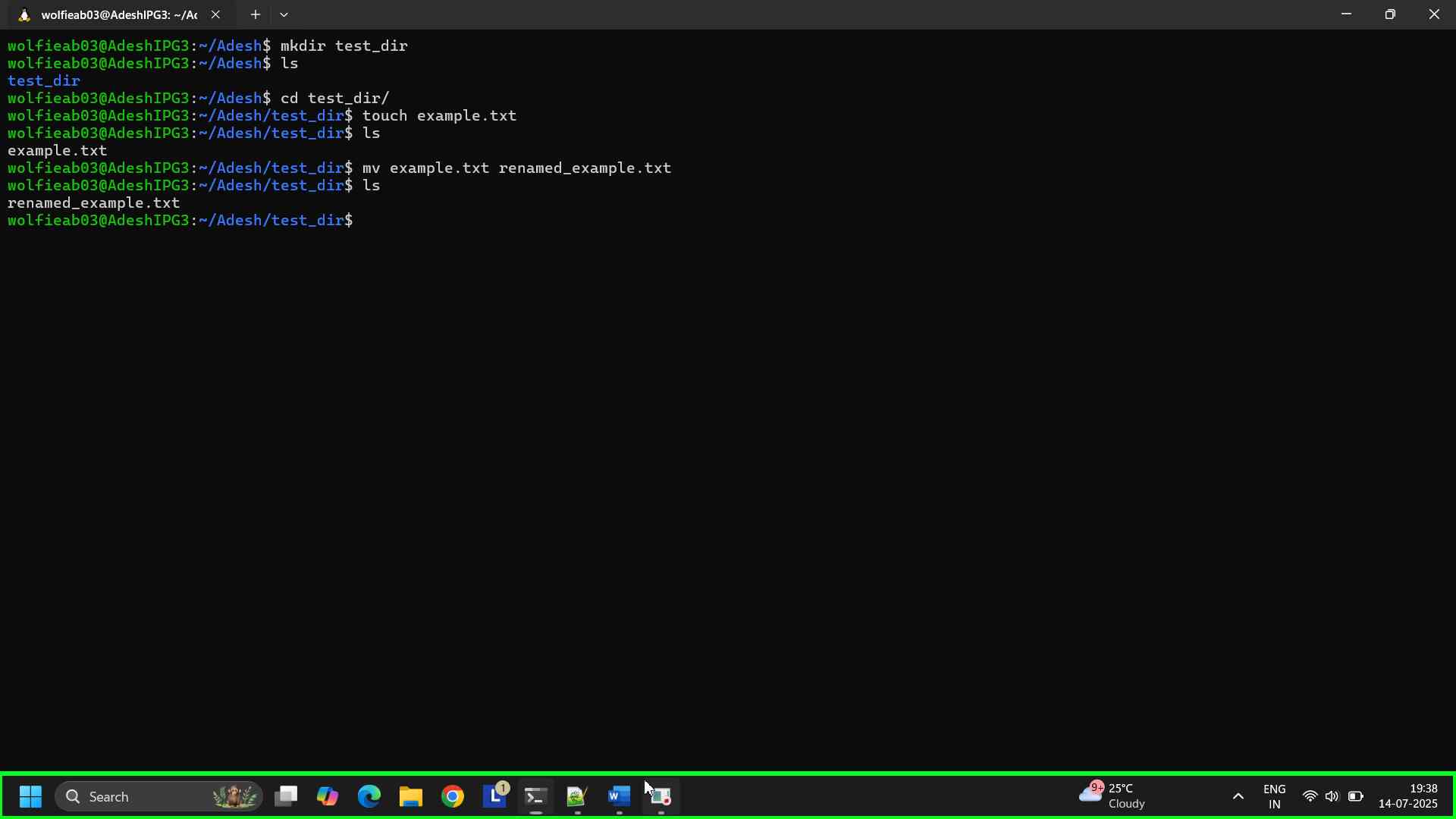
Rename example.txt to renamed\_example.txt using mv









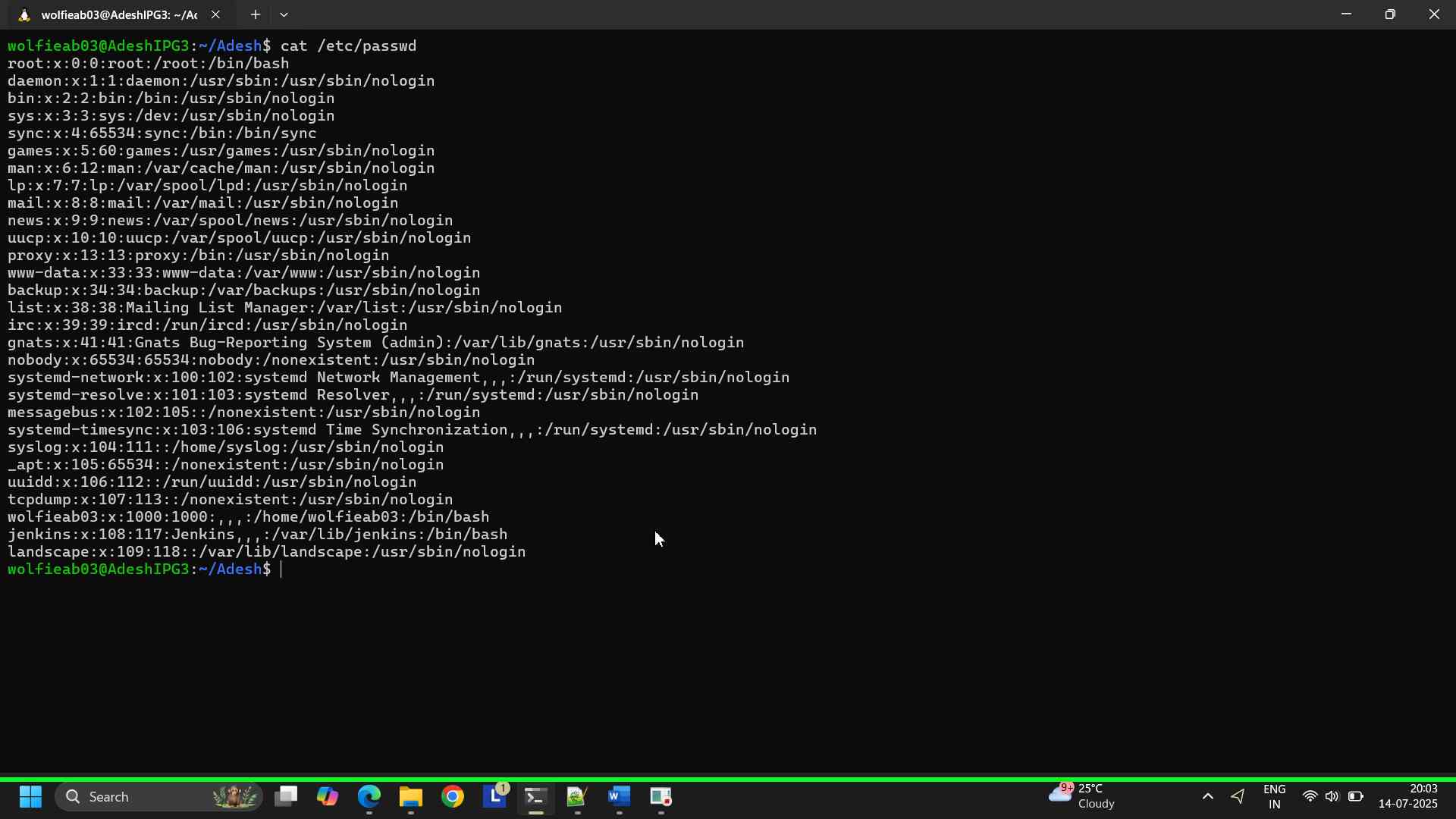


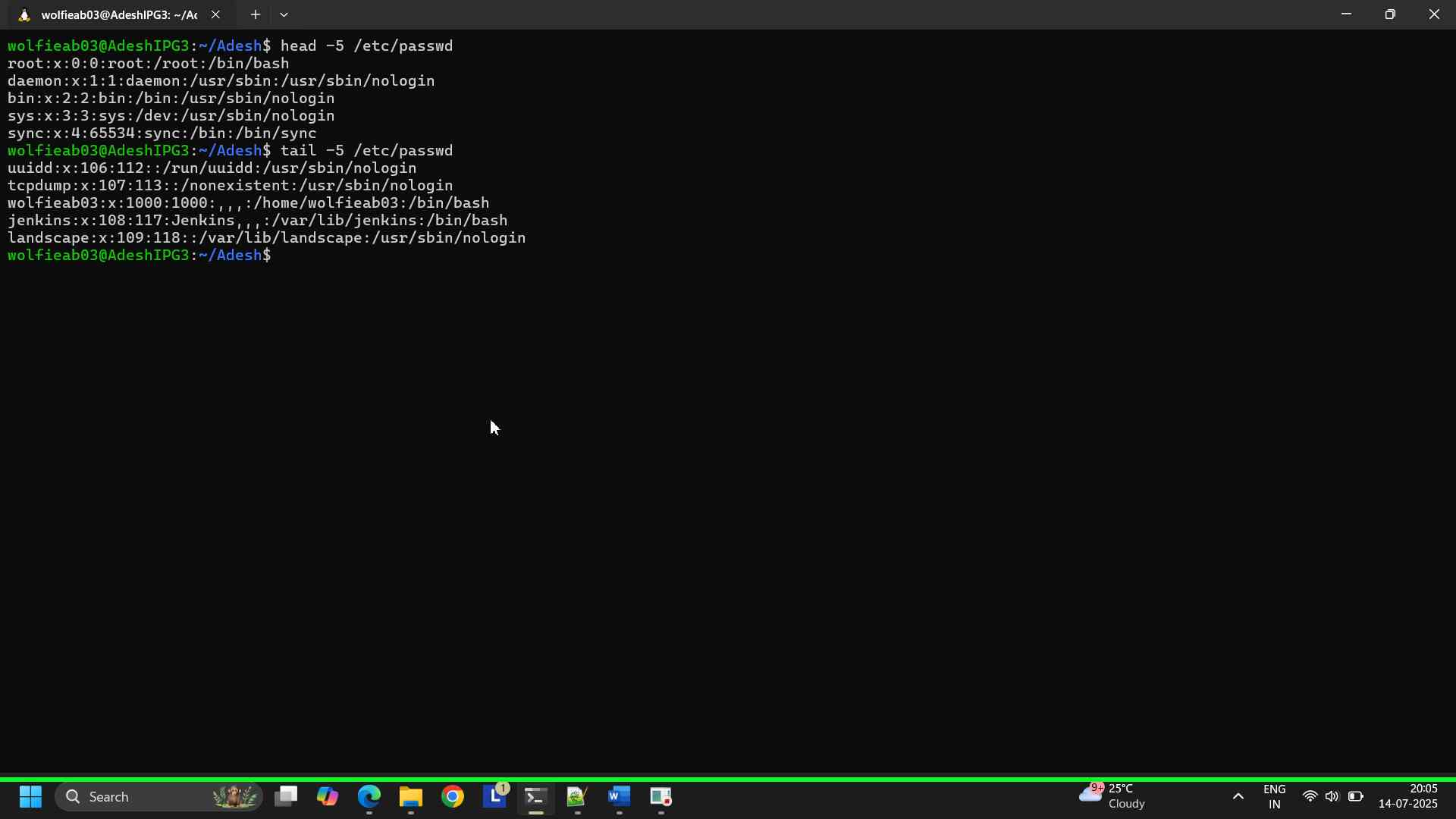
2. Viewing File Contents

Use cat to display the contents of /etc/passwd.

Display only the first 5 lines of /etc/passwd using head.

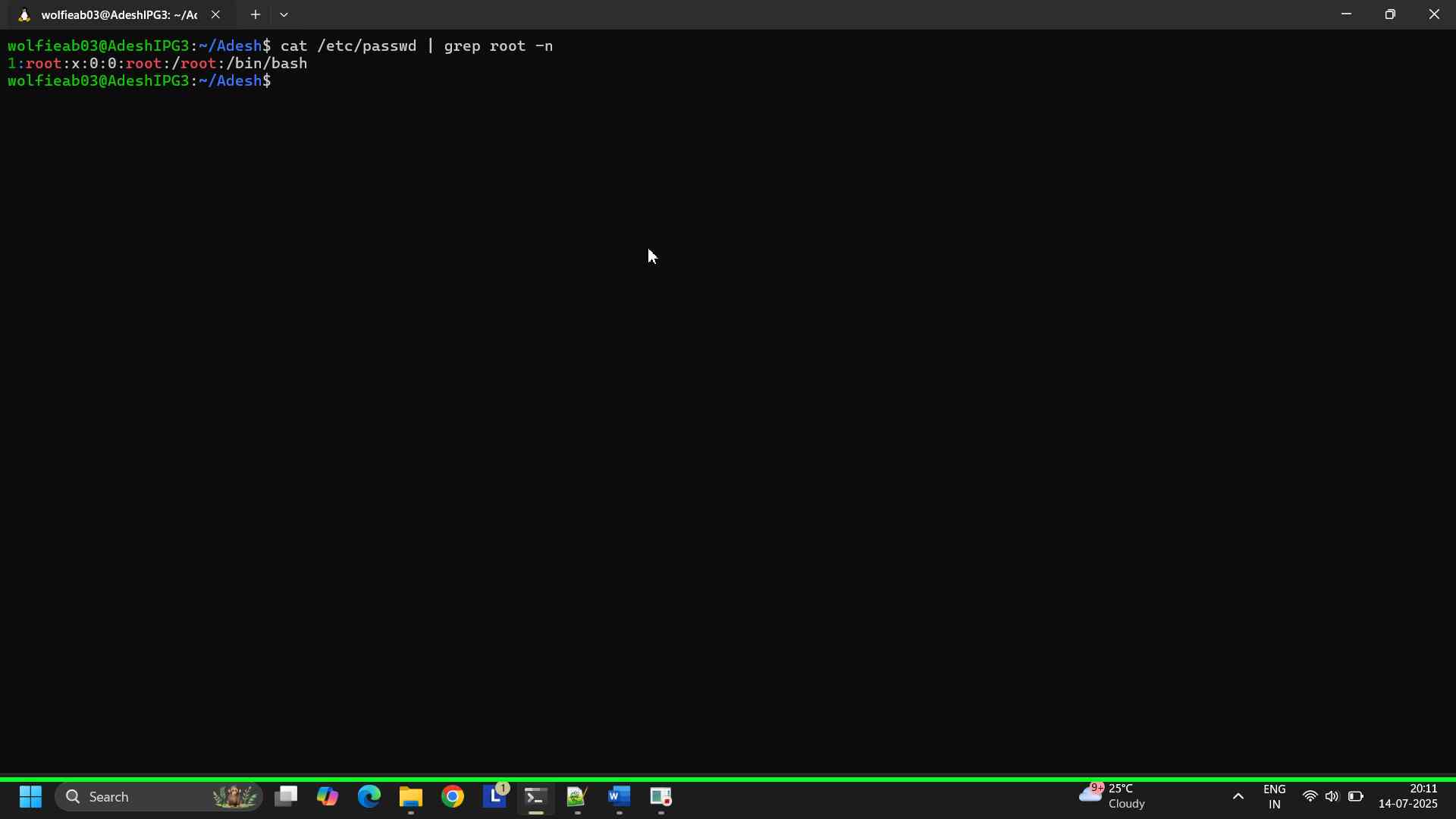
Display only the last 5 lines of /etc/passwd using tail.



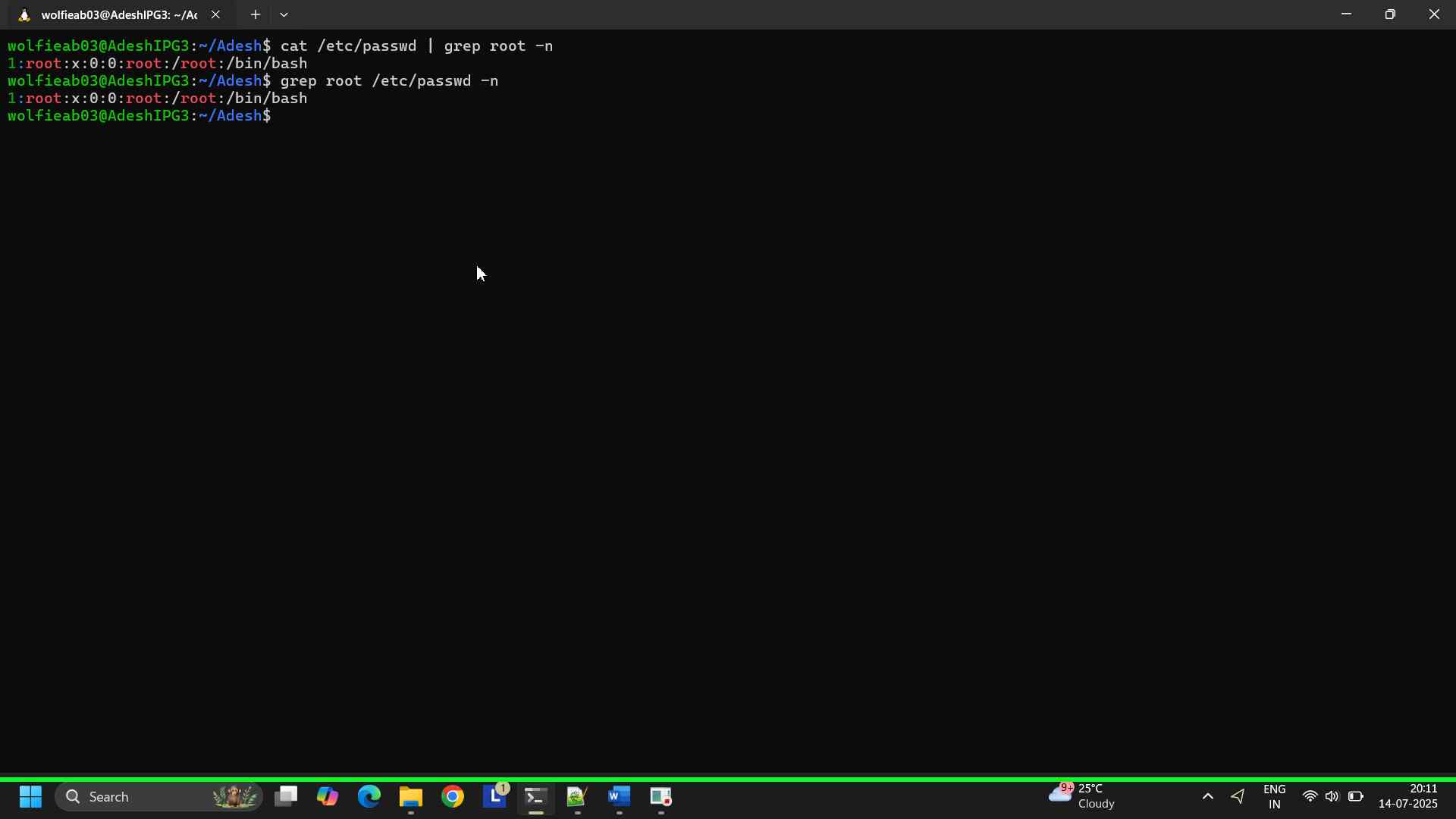


3.Searching for Patterns

Use grep to find all lines containing the word "root" in /etc/passwd.



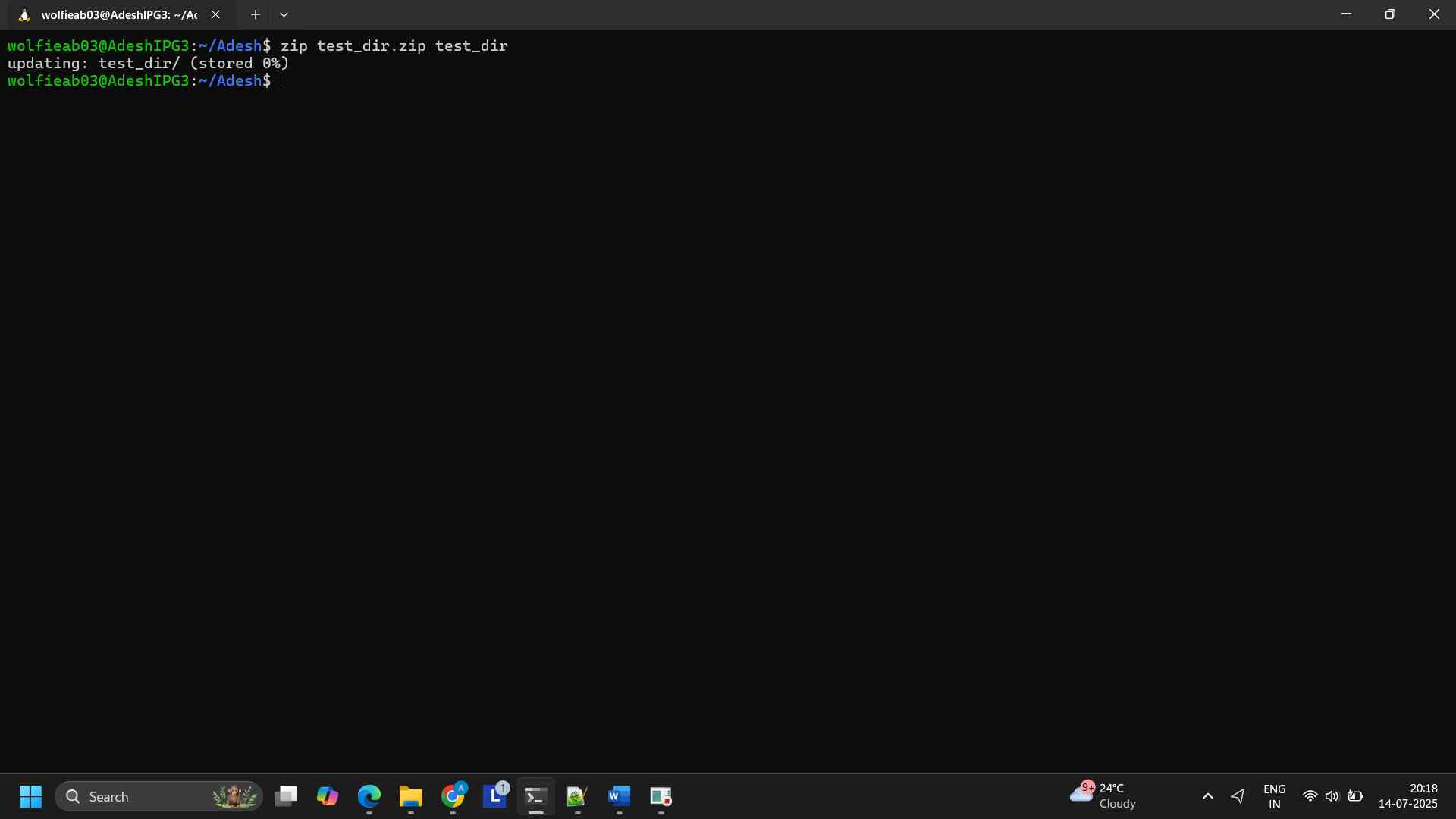
OR

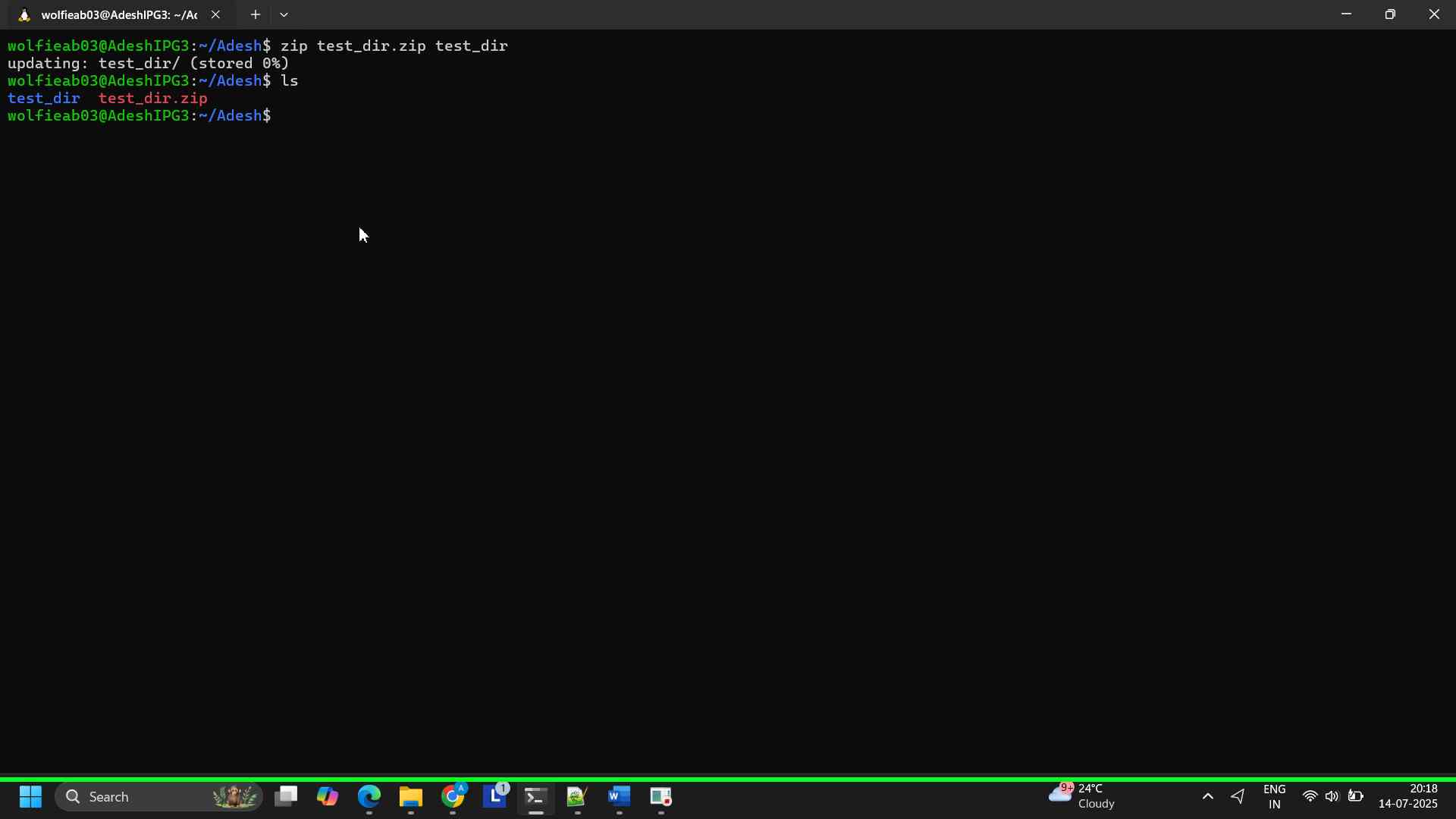


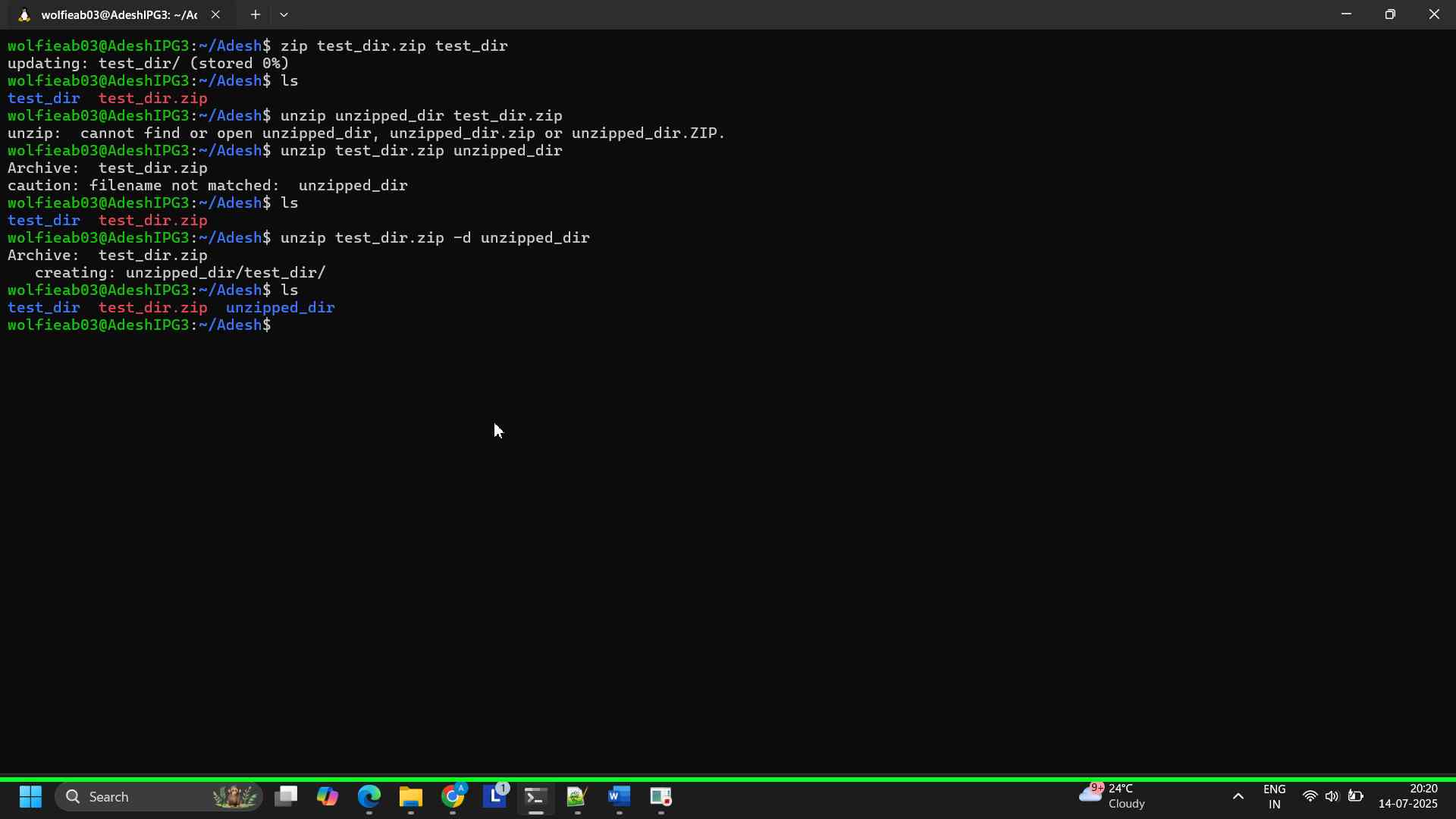
4. Zipping and Unzipping

Compress the test\_dir directory into a file named test\_dir.zip using zip.

Unzip test\_dir.zip into a new directory named unzipped\_dir.





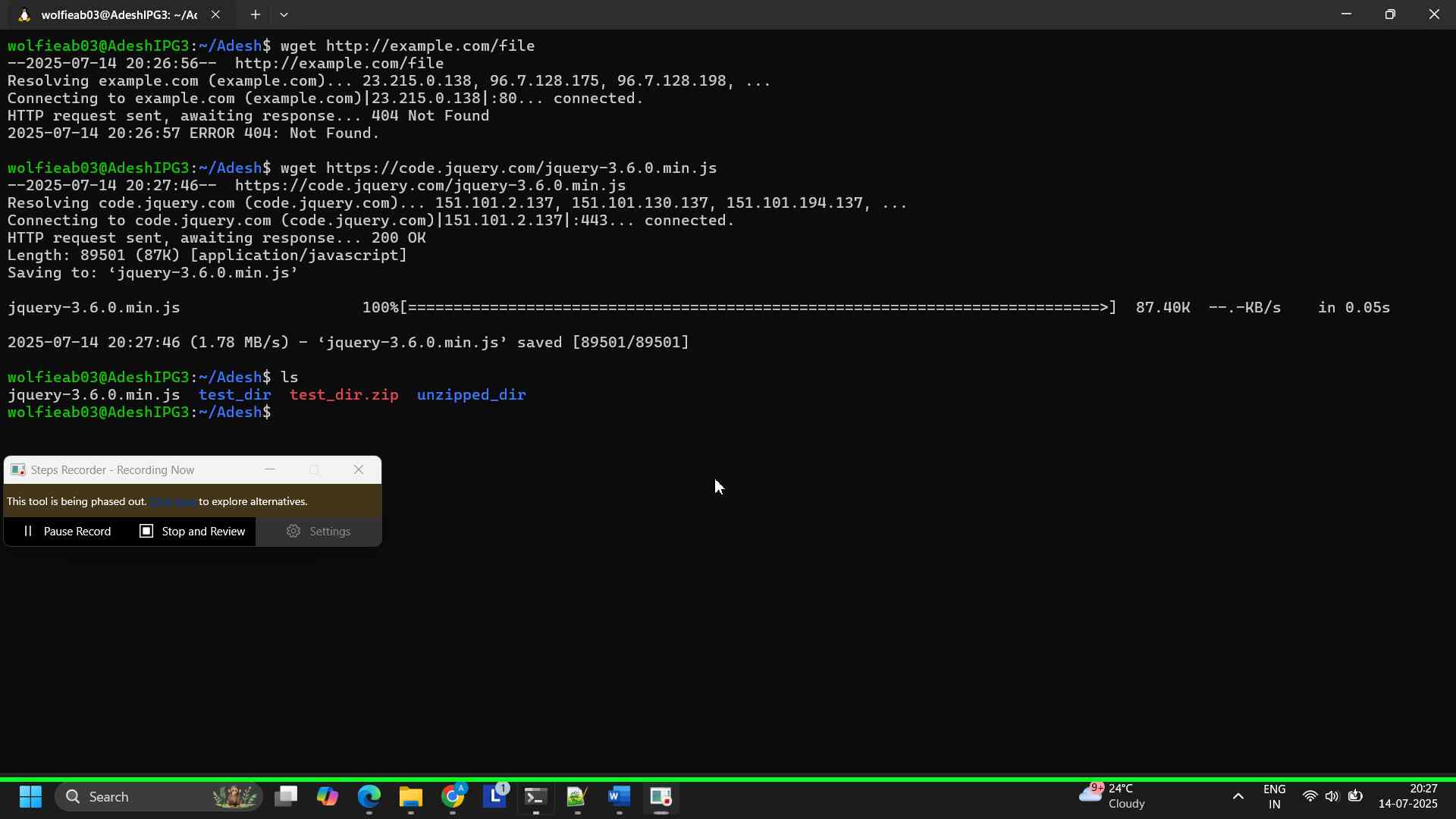


5. Downloading Files

Use wget to download a file from a URL (e.g., <https://example.com/sample.txt>).

The above link not working for downloading the contents hence used the below link –

https://code.jquery.com/jquery-3.6.0.min.js

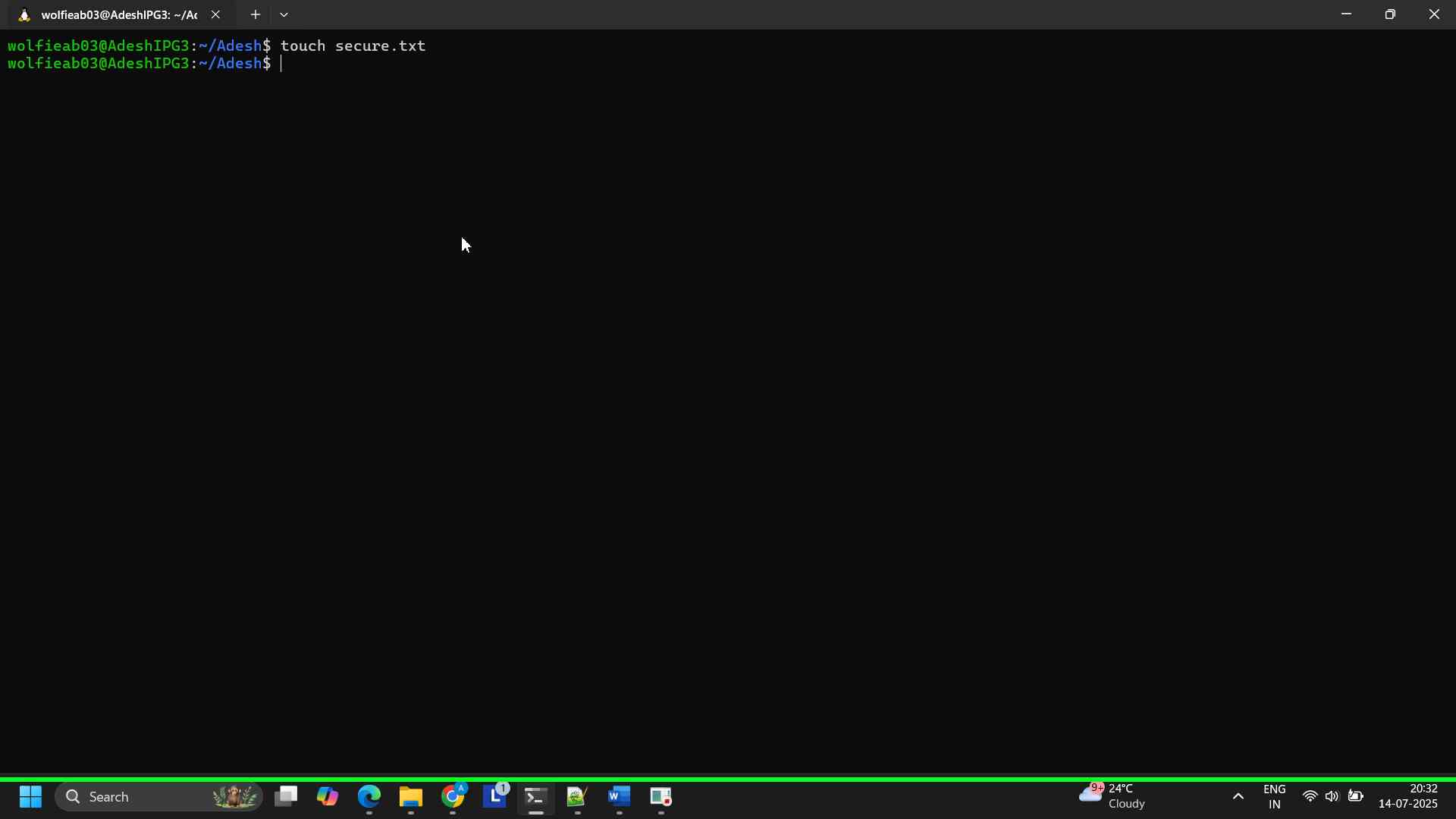


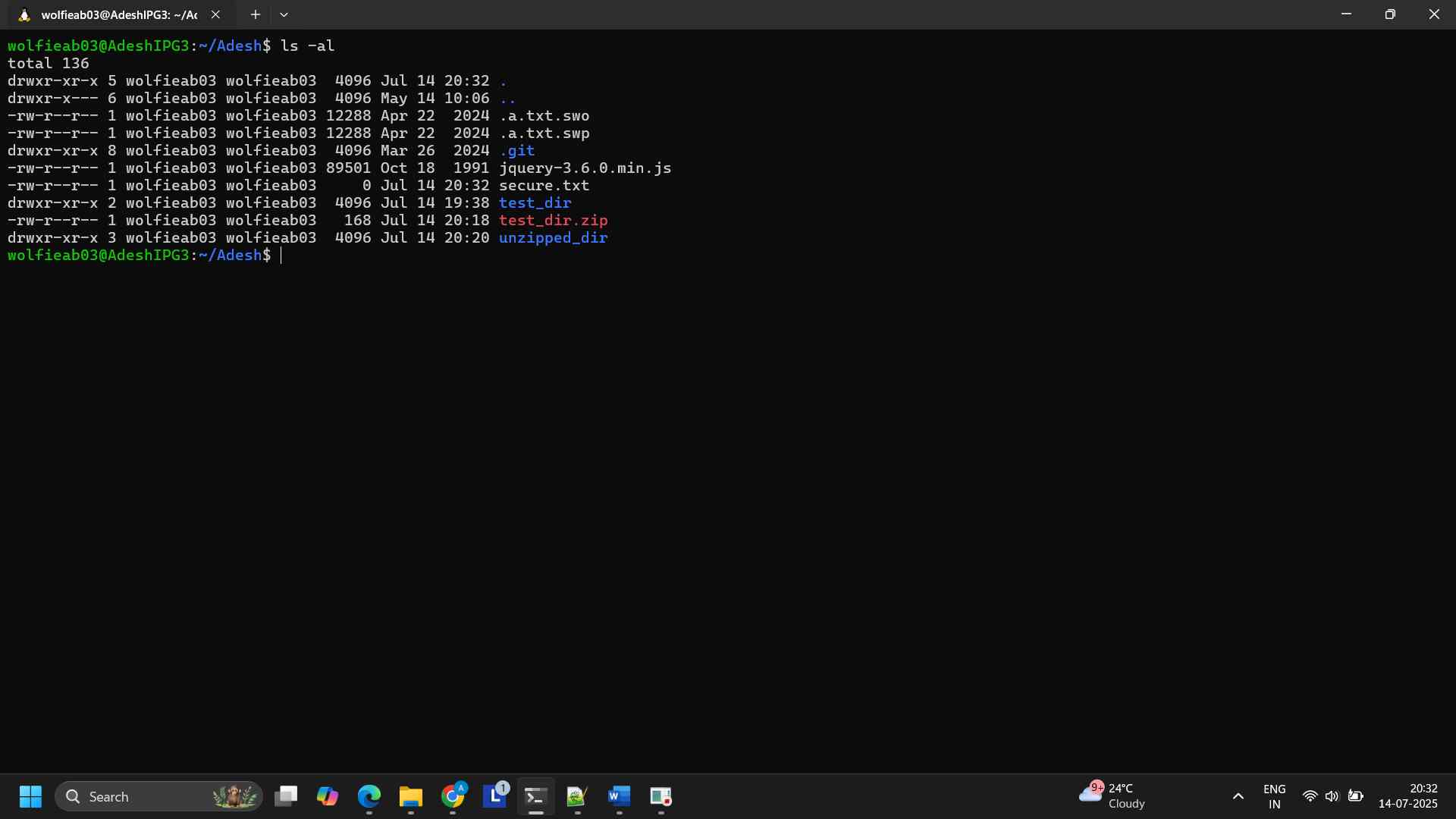
6. Changing Permissions

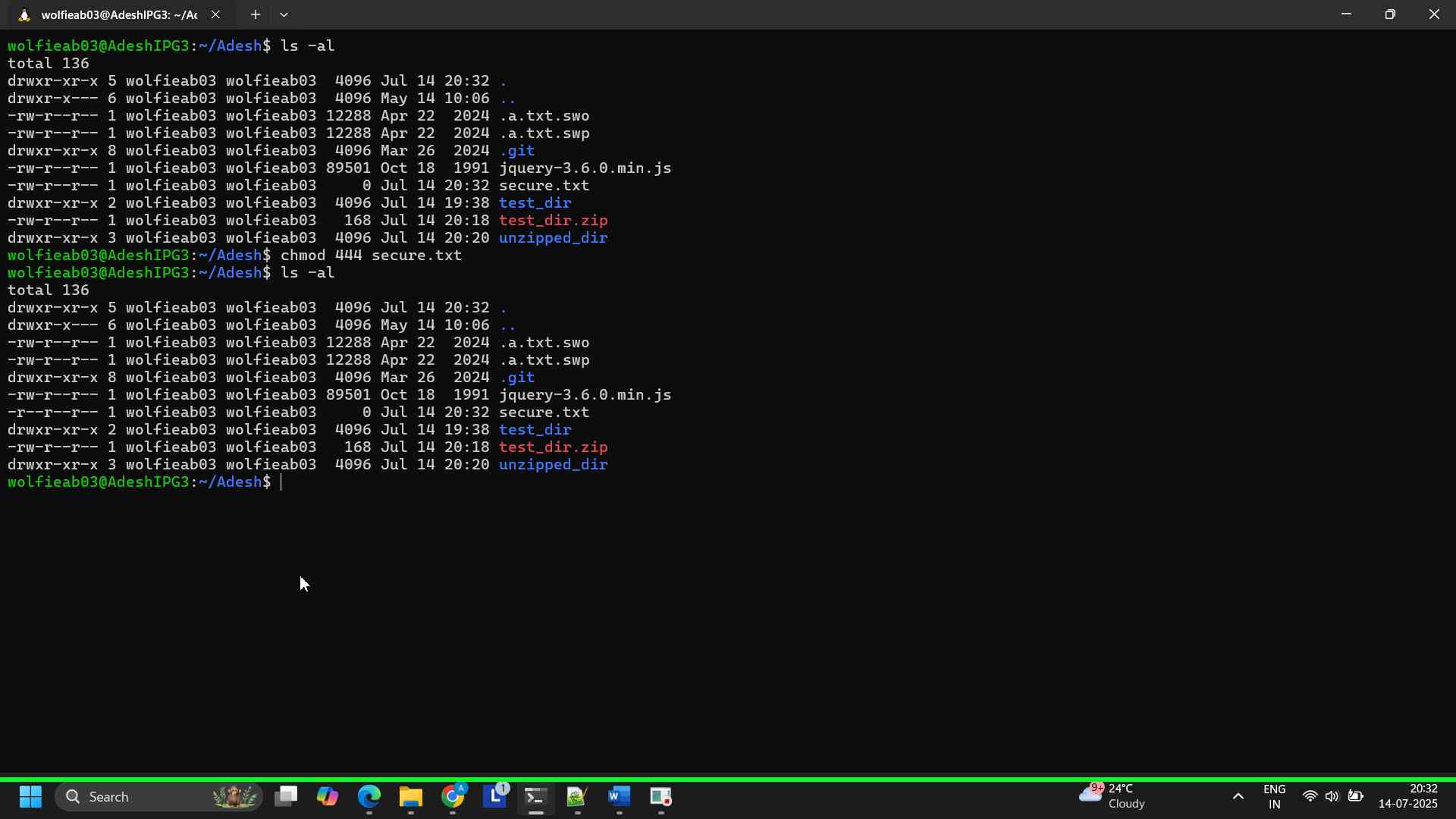
Create a file named secure.txt and change its permissions to read-only for everyone using chmod.

The order is

1. Users, group and others
2. 4 – Read, 2 – Write, 1 - Execute







7. Working with Environment Variables

Use export to set a new environment variable called MY\_VAR with the value "Hello, Linux!".

