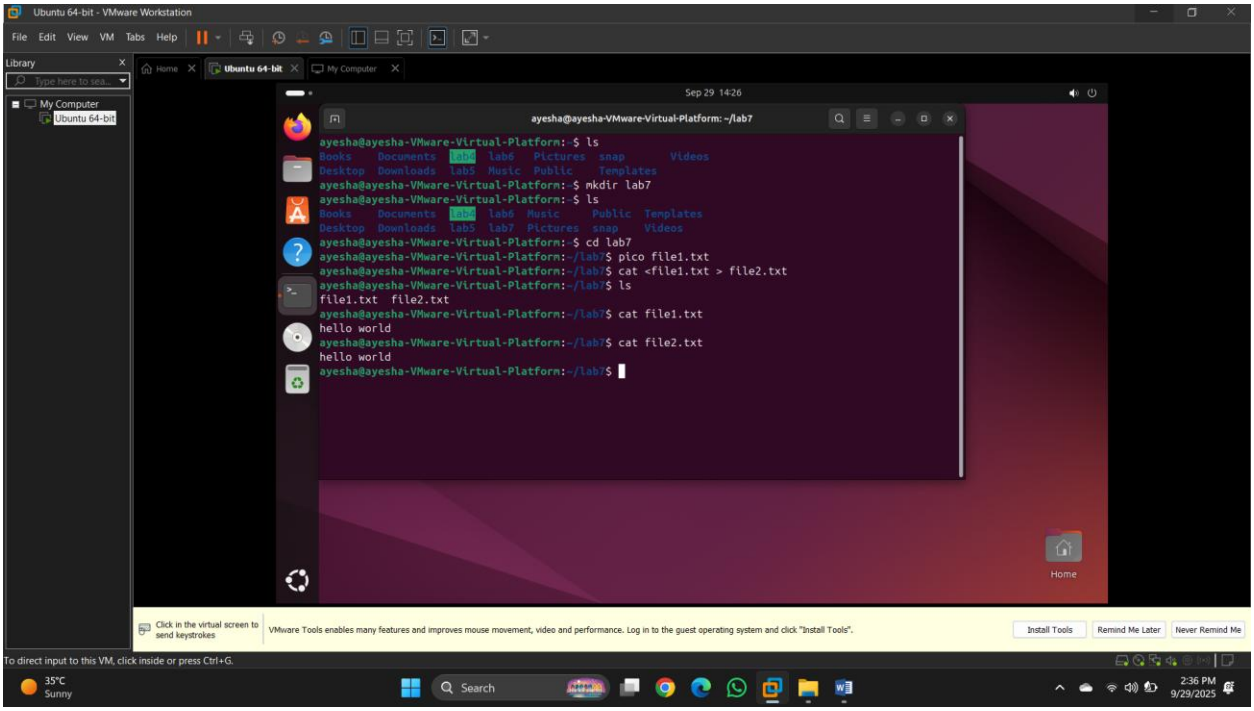
Ayesha Zubair

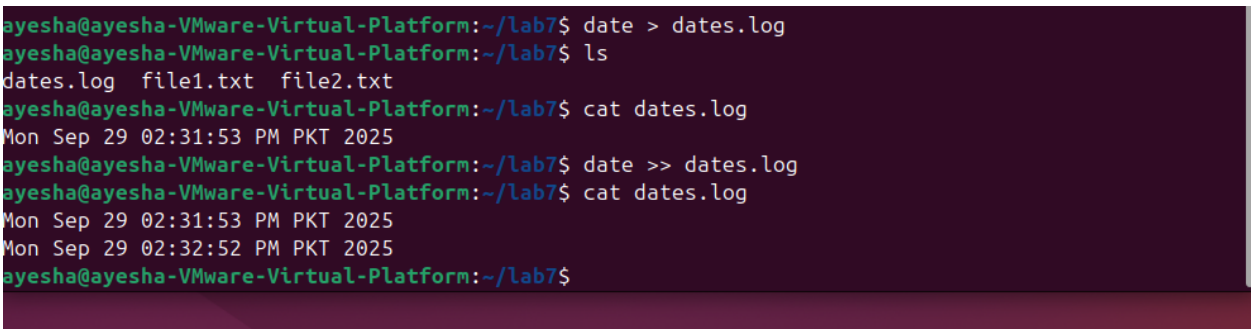
52916

OS Lab 7

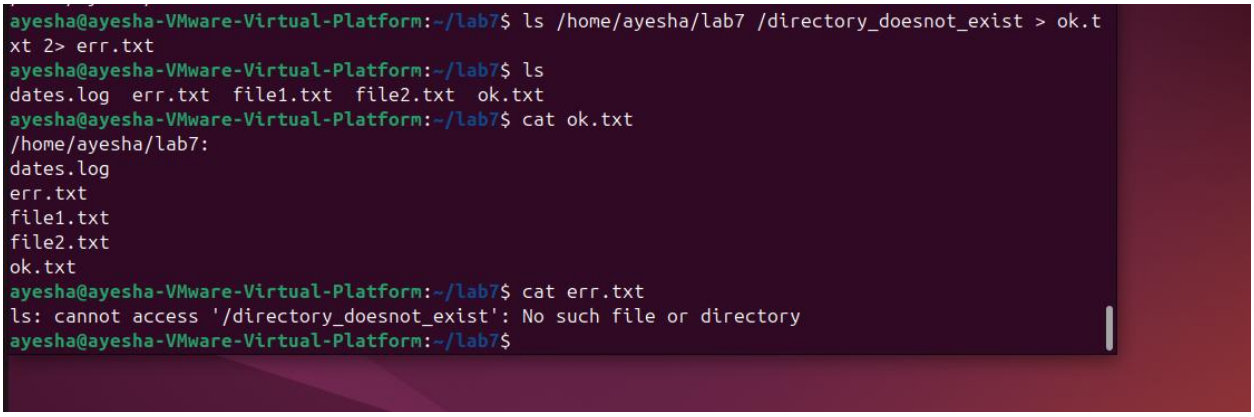
Task 1: Read the contents of file1.txt and create file2.txt with the same content using redirection only in a single command.



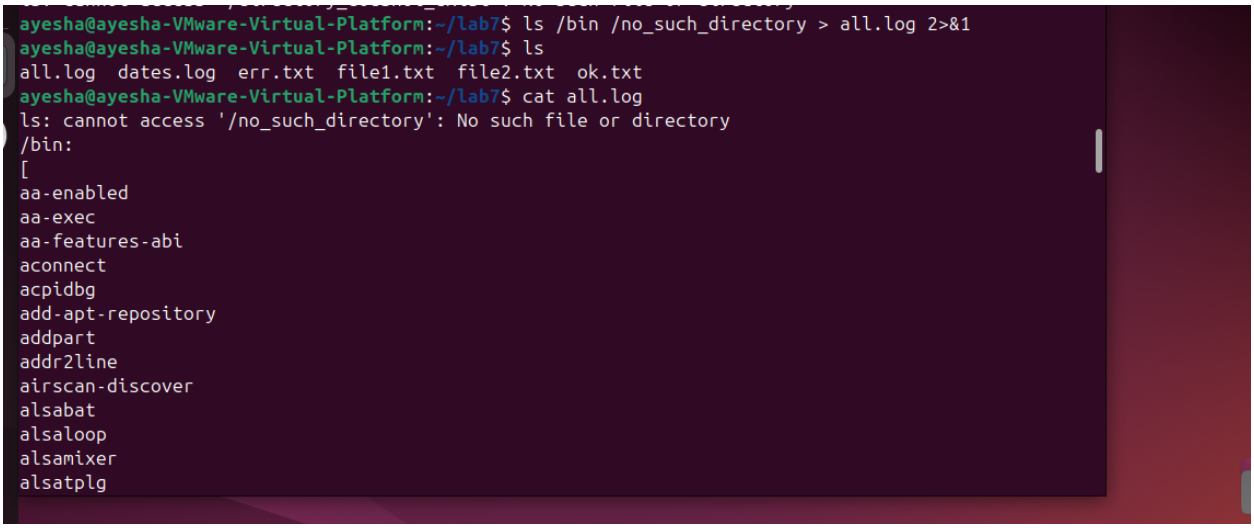
Task 2: Run date and append the result to a file named dates.log every time you execute the command.



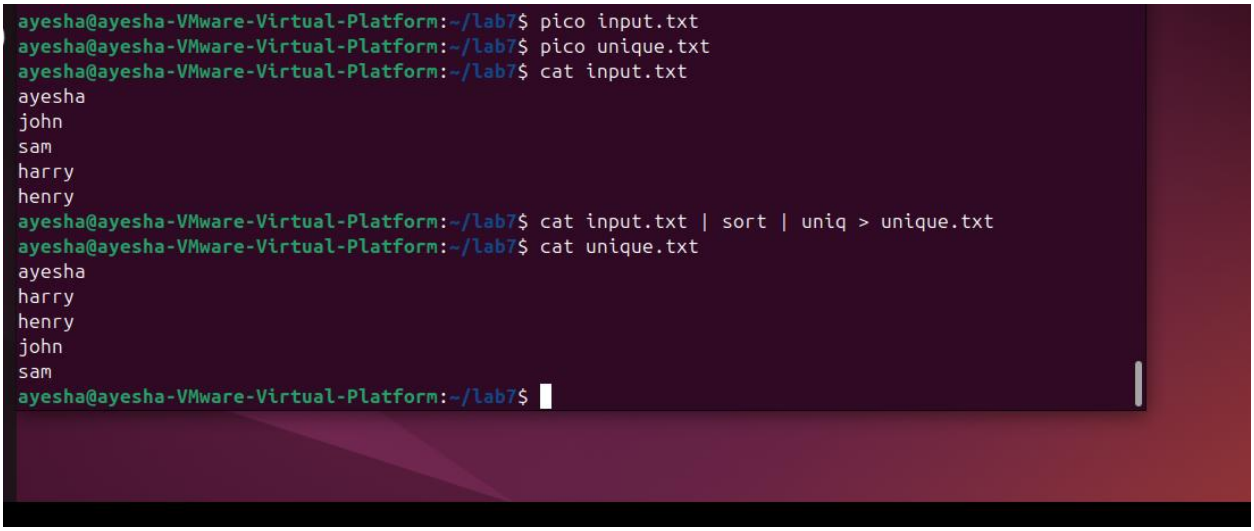
Task 3: Run a command that will produce both valid output and an error. Redirect standard output to ok.txt and errors to err.txt.



Task 4: List the contents of the `/bin` directory and also try to list a non-existent directory `/no_such_dir` and redirect both the normal output and the error messages to be saved together in a single file called `all.log` in one line.



Task 5: Run a command that reads from input.txt and writes sorted, unique lines into unique.txt using pipe operator.



Task 6:

What would be the result of the following commands.

- **cat filename > new // filename is name of file that exist at current path**
  Copies the contents of filename to new. If new doesn't exist, it creates new and then copies its data.
  content

- **who > new**
  This commands writes the users to new. If new doesn't exist, it creates the file.
  If new has some content, it overwrites.

- **ls | sort –r**
  Sorts the files in reverse order.

- **ls | sort -r >> new**
  Sorts all the files in reverse order and sends data to new, if new doesn't exist, it creates the file.
  If new has some content, it overwrites.

Task 7: Sorts the contents of **fruits.txt** in alphabetical order. Filters the sorted output to only display fruits that contain the substring "ap".


```
ayesha@ayesha-VMware-Virtual-Platform:~/lab7$ pico fruits.txt
ayesha@ayesha-VMware-Virtual-Platform:~/lab7$ sort fruits.txt | grep "ap"
apple
apricot
```