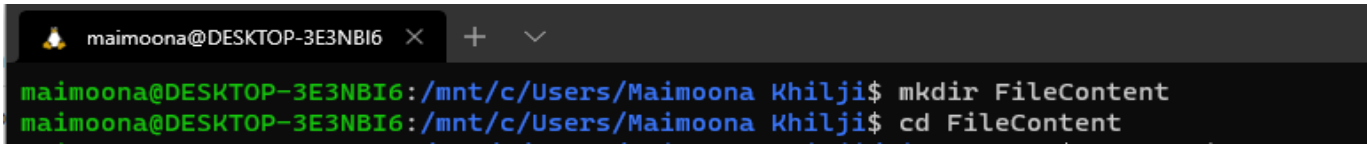
Name: Maimoona Khilji

Program: BS-Data Science

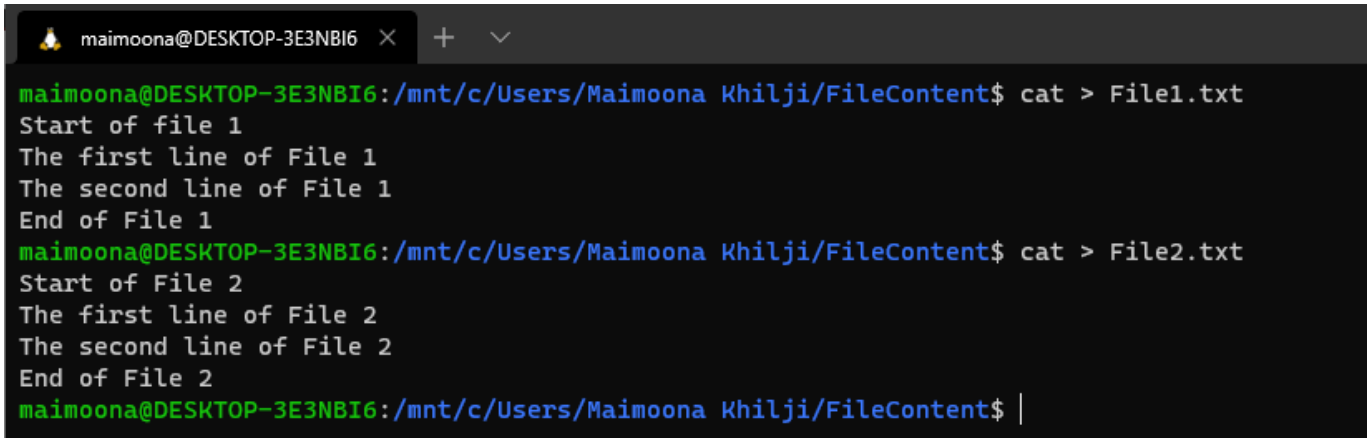
Operating System – Lab 07

Sort files, Compress files, Create backup files

1. Create a directory FileContent in /home/[username]
2. Cd to FileContent



3. Create two **file1 & file2** files using cat command as:
    a. Cat > file1
        Start of file 1
        This is first line of test file 1
        This is second line of test file 1
        End of file 1
    b. Cat > file2
        Start of file 2
        This is first line of test file 2
        This is second line of test file 2
        End of file 2



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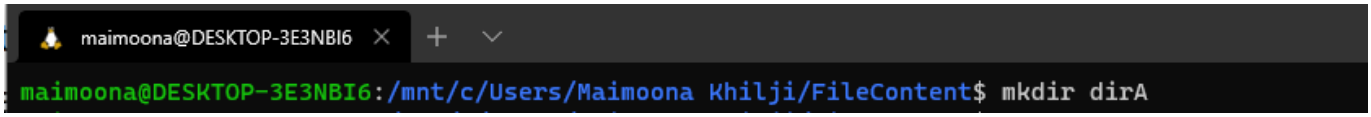
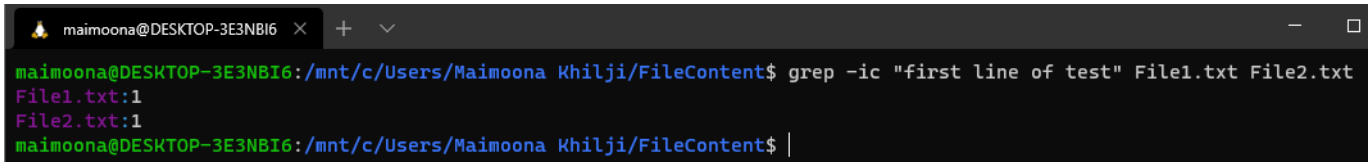
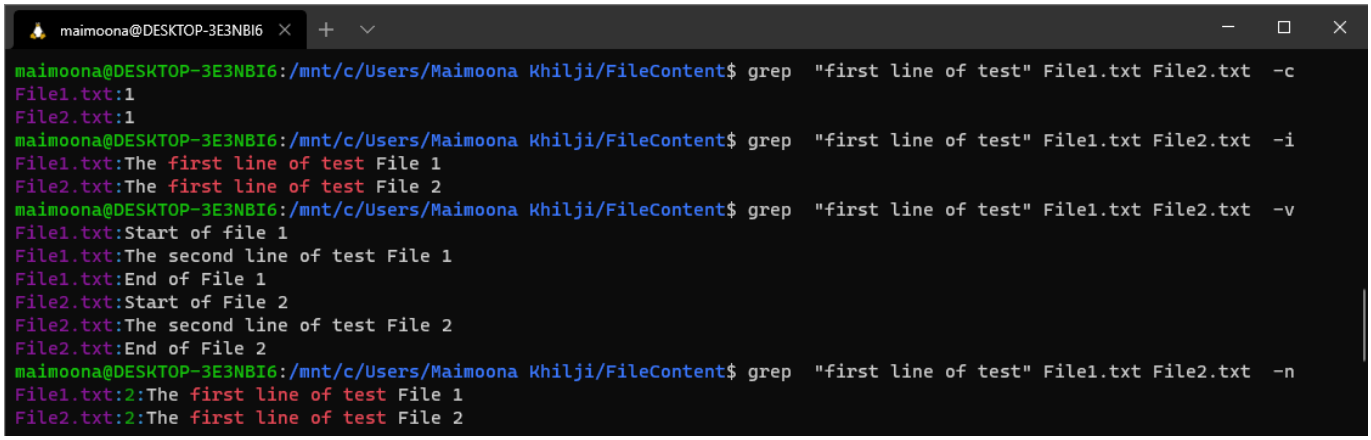
4. Create a directory named as dirA



5. Write a command to find regular Expression "first line of test" in both files



6. What is output of using following options with above command :
   a. –c
   b. –i
   c. –v
   d. –n



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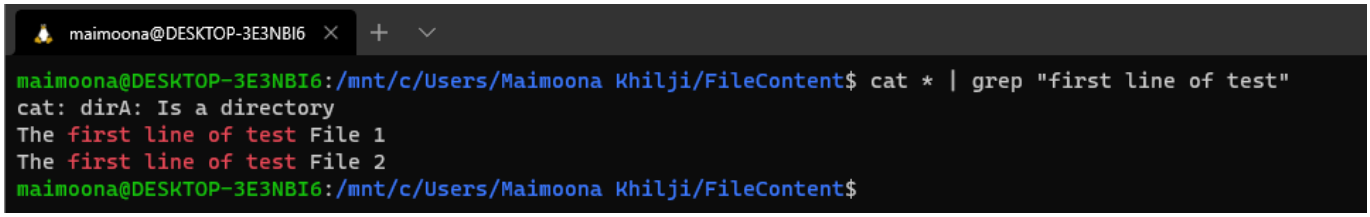
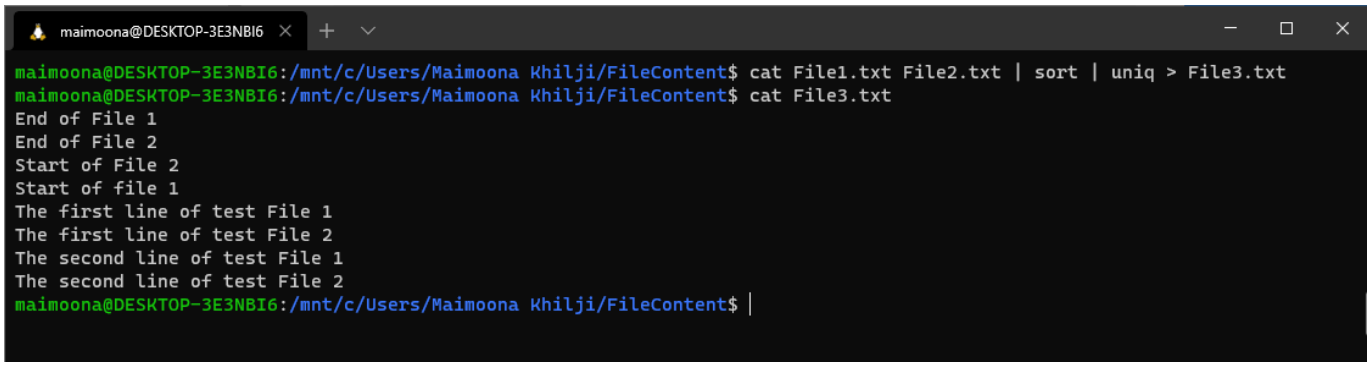
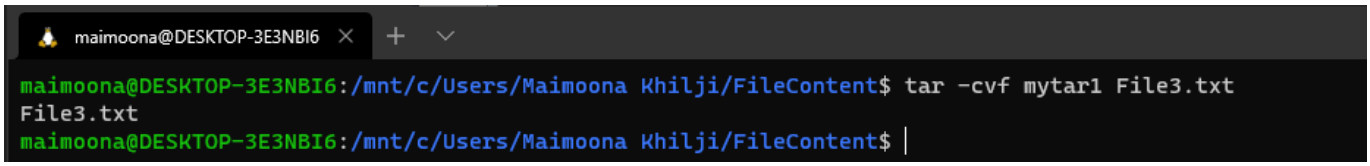
7. Combine grep with pipe using | operator to search for all files with regular expression “First line of test”



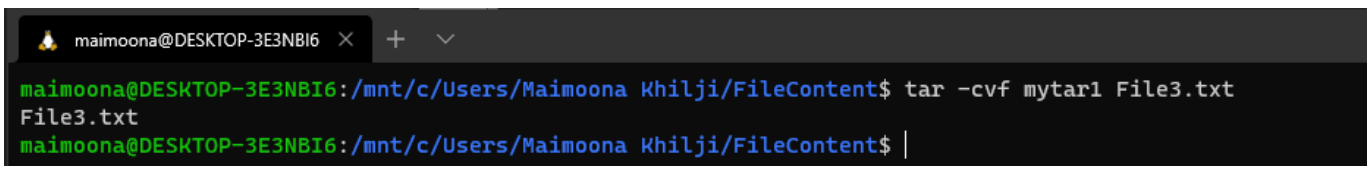
8. Use sort and uniq command to sort file1 and file2 and store result in file3



9. Create a backup for file3 using tar command



10. What is output of using following options with above command :
    a. –c
    b. –v
    c. –f



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d. –t

```
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$ tar -tvf TarFile File3.txt
-rwxrwxrwx maimoona/maimoona 182 2021-03-27 17:11 File3.txt
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$
```

e. –x

```
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$ tar -xvf TarFile File3.txt
File3.txt
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$
```

11. Write a command to compress file2 using compress and file1 using gzip command

```
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$ gzip File1.txt File2.txt
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$
```

12. Write a command to de compress file2 and file1

```
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$ gzip -d File1.txt File2.txt
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/FileContent$
```