The main idea of this lab exercise to give hands on experiance on

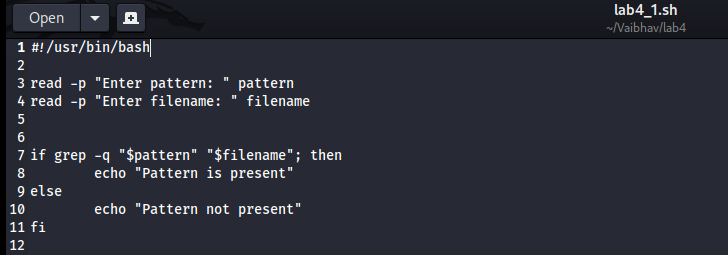
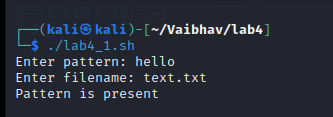
grep

constructs

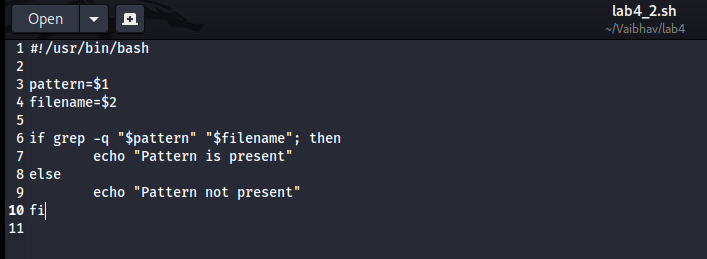
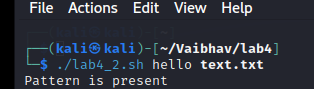
command line arguments

1. write a shell script to get value the pattern and file name from the user and check the pattern exists or not. If the pattern exists print the relavent

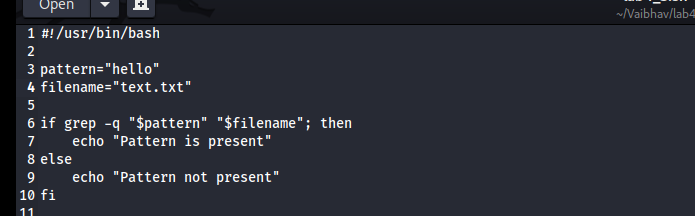
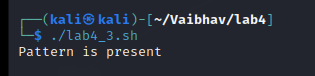
message , if pattern not found print relevent message.

2. Modify the above script to pass the arguments from command line arguments.

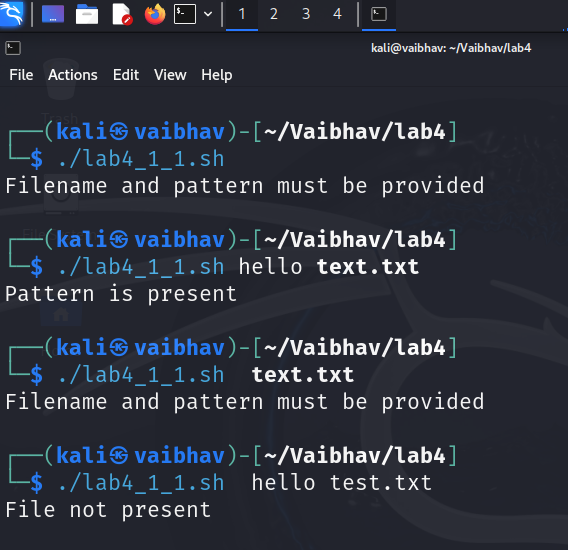
3. Modify the above script to pass the values inside the script.

4. validate the script (script 1, script 2)

- the file exists or not

- arguments passed or not   
A screenshot of a computer program

Description automatically generated  


5. Apply grep commands

Note: Make sure to use the options -e -c -n -q -s -f -A -B -C -i -h, -l -o -w

Frame the questions (as per your choice)

to extract user information

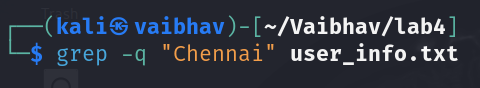
to extract network information

to extract login details   
A computer screen shot of a computer

Description automatically generated  
  
1) How would you search for lines containing either Aarav or Deepak?  
A computer screen shot of text

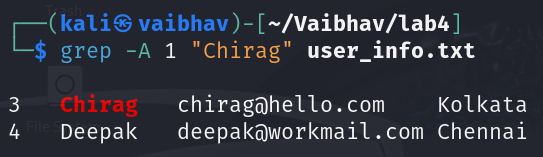
Description automatically generated  
  
2) How many lines contain the word workmail?  
A computer screen with text

Description automatically generated  
  
3) Find all lines containing Mumbai and show their line numbers.  
A computer code with white text

Description automatically generated  
  
4) Check if any line contains the word Chennai without displaying the result.  
  
  
5) Silently check for the word Goa in a non-existent file without throwing errors.  
A screenshot of a computer code

Description automatically generated  
  
6) How would you search for patterns stored in a separate file patterns.txt inside userdata.txt?  
A screenshot of a computer

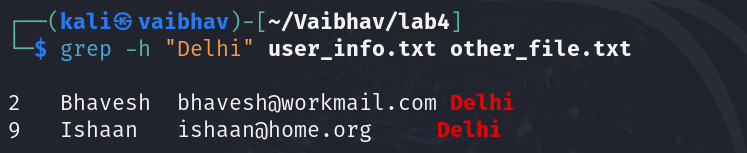
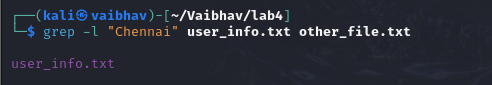
Description automatically generated   
A screen shot of a computer

Description automatically generated  
  
7) Display the line containing Chirag and the 1 line following it  


8) Display the line containing Farhan and the 2 lines before it  
A computer screen with white text

Description automatically generated  
  
9) Show 1 line before and after the match for Gauri  
A computer screen shot of a computer code

Description automatically generated  
  
10) Search for the word esha in a case-insensitive manner  
A computer screen with text

Description automatically generated  
  
11) Search for the word Delhi across multiple files and suppress the file name in the output.  
  
  
12) Search for Chennai in multiple files and only display the file names containing matches.  
  
  
13) Extract just the email addresses from the file

A screenshot of a computer

Description automatically generated  
  
14) Search for the whole word Aarav without matching substrings like Saarav  
  
A computer screen with white text

Description automatically generated