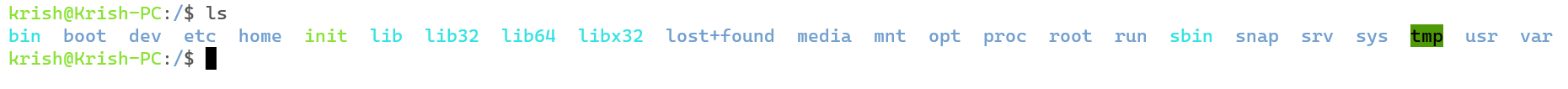
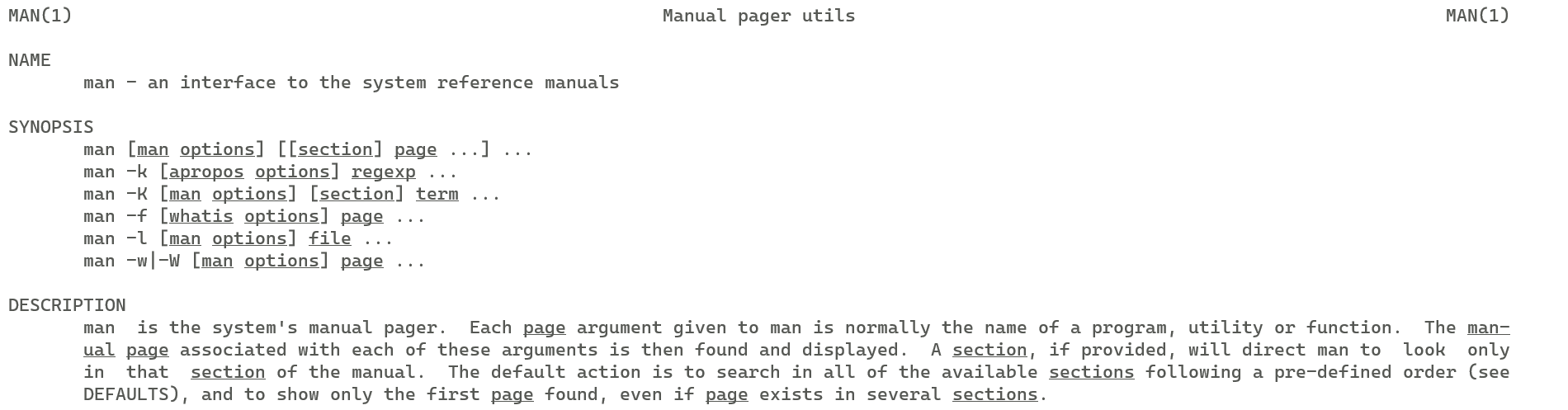
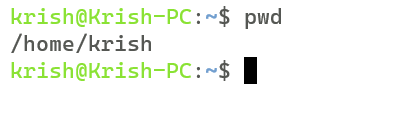
**Q1. Implement the following basic commands used in LINUX/ UNIX OS**

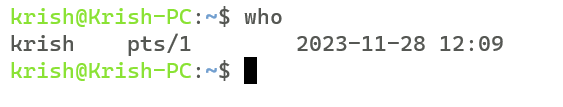
* ls:



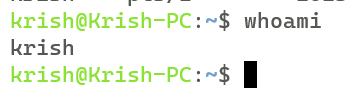
* man:
* pwd:



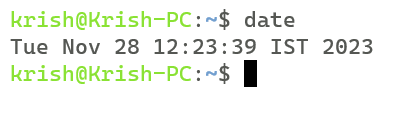
* who:



* whoami:



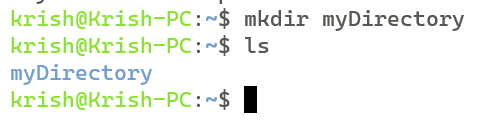
* date:



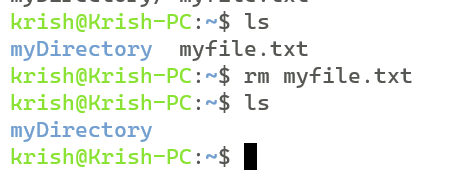
* cal:



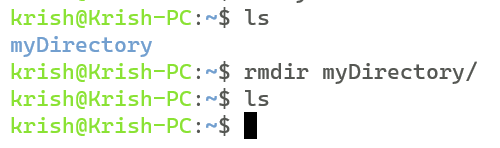
* mkdir:



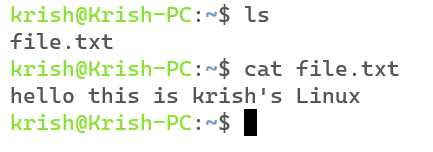
* rm:



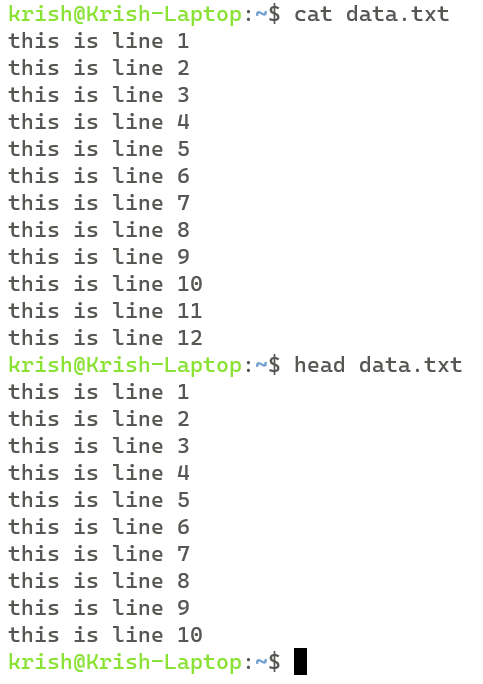
* rmdir:



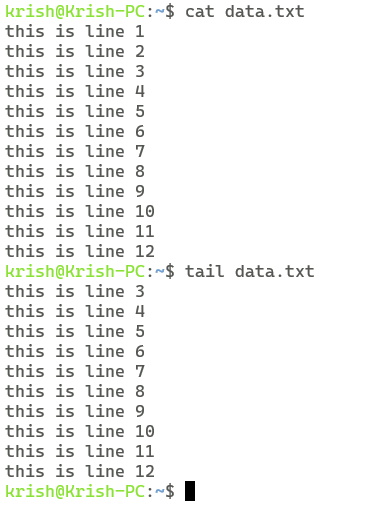
* cat:



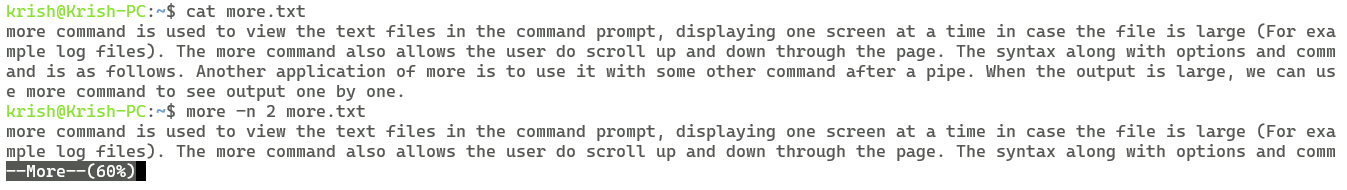
* head:



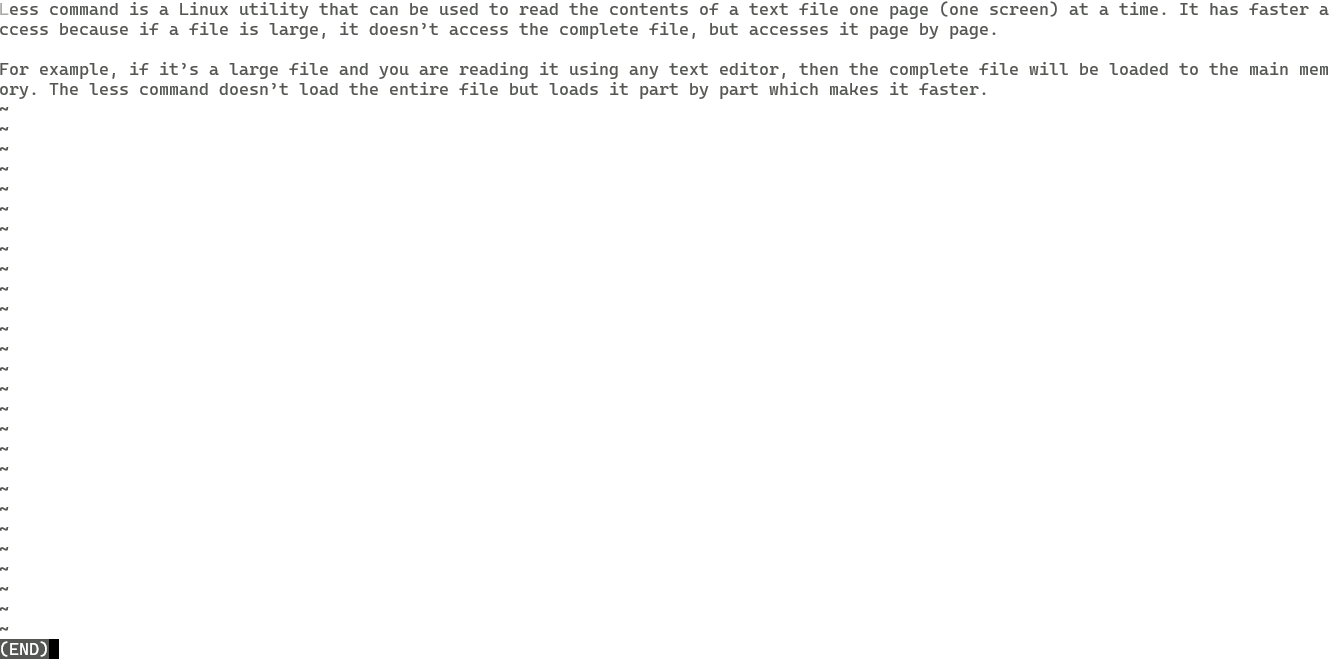
* tail:



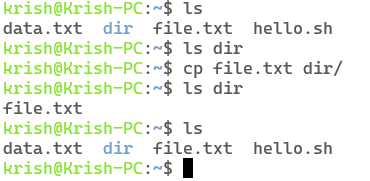
* more:



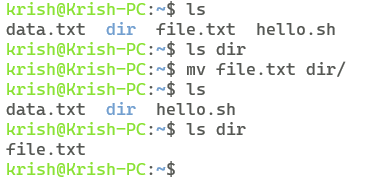
* less:



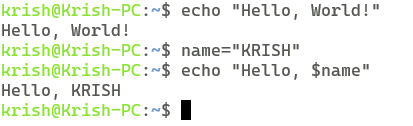
* cp:



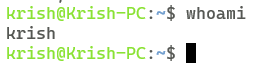
* mv:



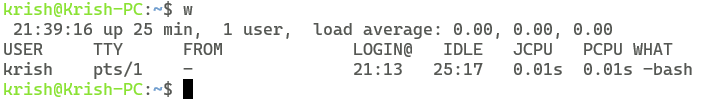
* echo:



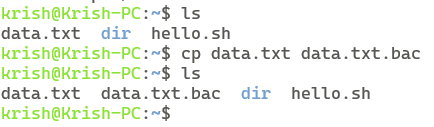
1. **Who is current user:**

****

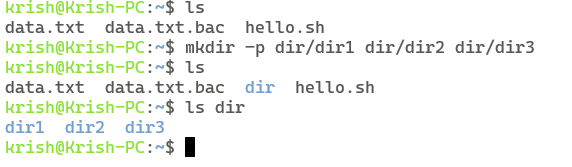
1. **What is current login name:**

****

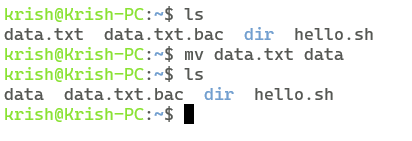
1. **How to take backup of a file:**

****

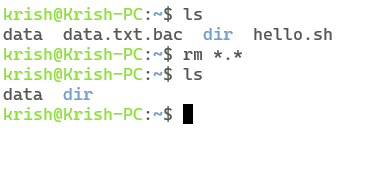
1. **How to create 3 subdirectories in a directory using single line command:**

****

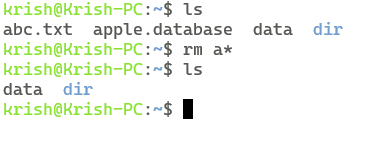
1. **How to remove file of .txt extension:**

****

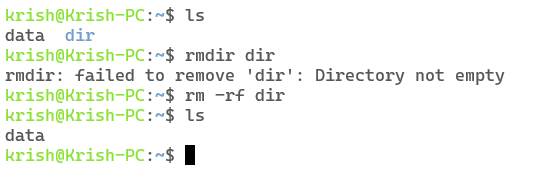
1. **How to remove file of any extension:**

****

1. **How to remove file starting with “a”:**

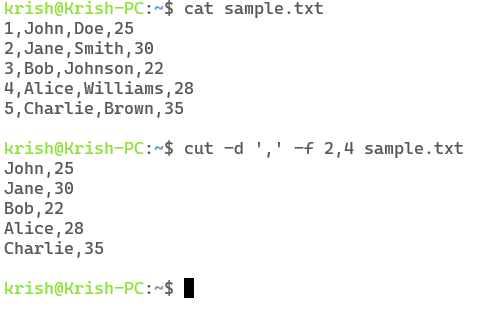
****

1. **How to remove non empty directory:**

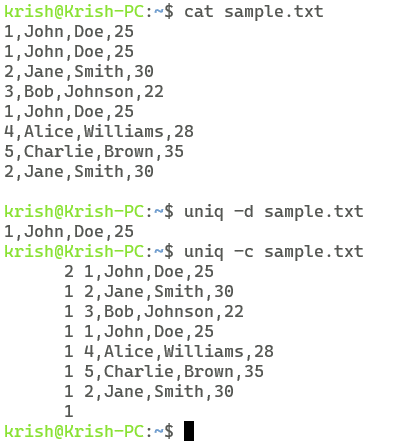
****

**Q2. Implement the following basic commands used in LINUX/ UNIX OS**

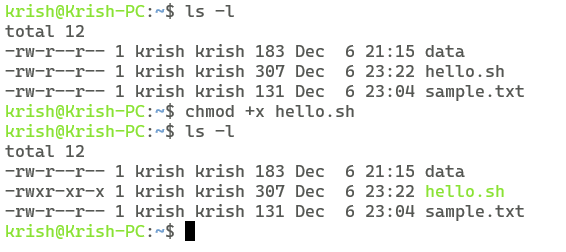
* **Cut:**

****

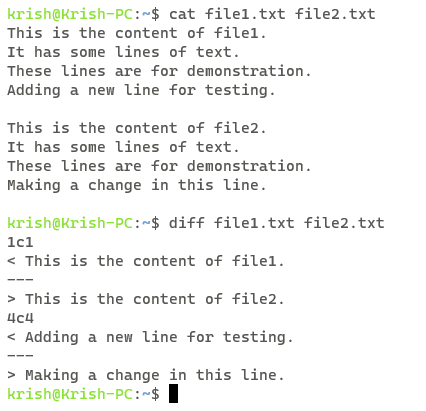
* **Uniq:**



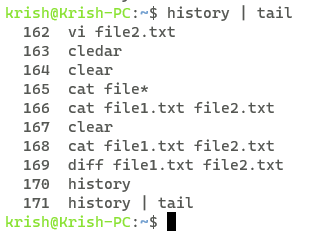
* **Chmod:**

****

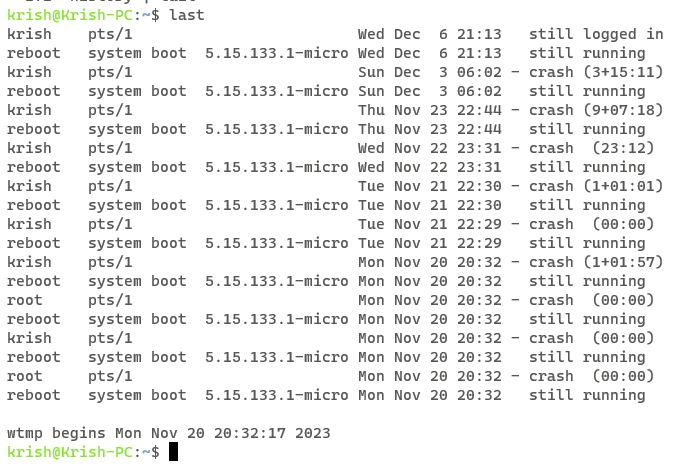
* **Diff:**

****

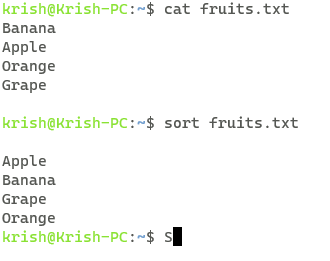
* History:



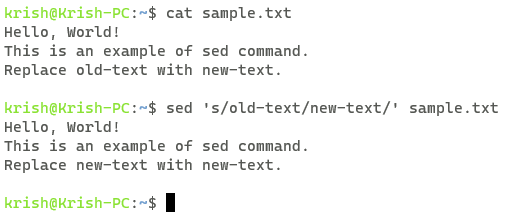
* Last:



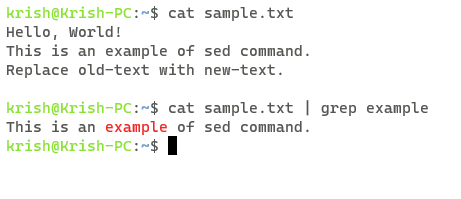
* Sort:



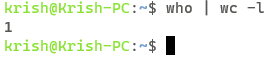
* Sed:



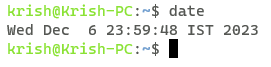
* Grep:



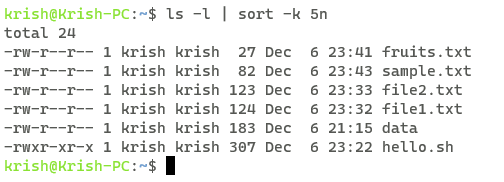
1. Total no of users connected to system currently:



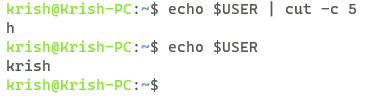
1. Display only current local time of system:



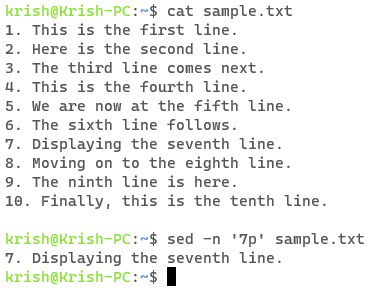
1. Arranging the files of directory on ascending order of their sizes:



1. Display 5th character of your name:

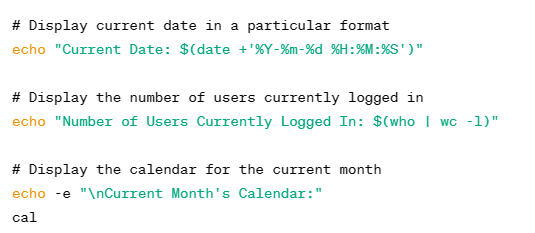


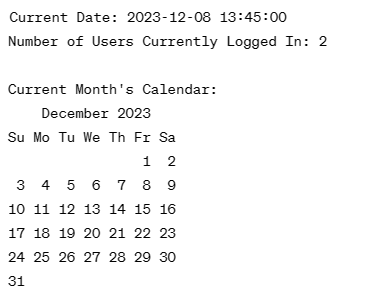
1. Display 7th line of a file:



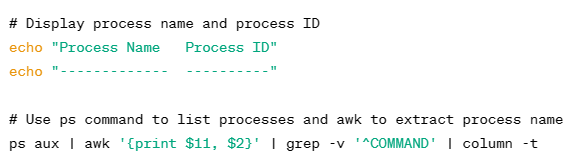
**Q3. Shell scripts that uses simple commands:**

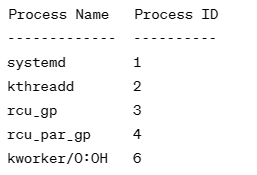
1. Write a shell script to display current date in a particular format, number of users currently login and current month’s calendar.



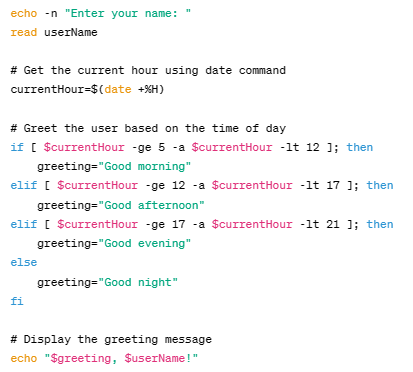


1. Write a shell script to display the process name and its process id.

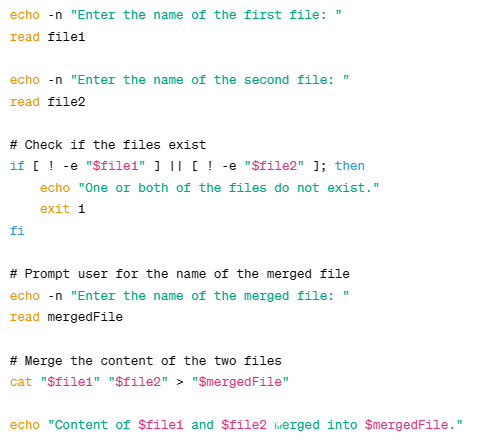


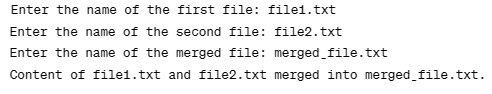


1. Write a shell script to take name as a input and display a greeting message to the user by checking system clock.

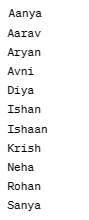
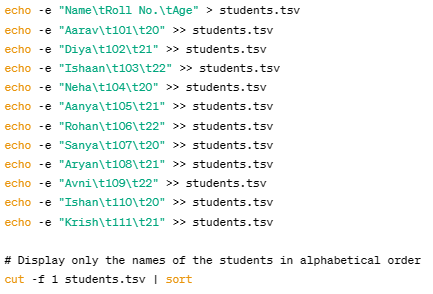




1. Write a shell script to merge the content of 2 files into one file:

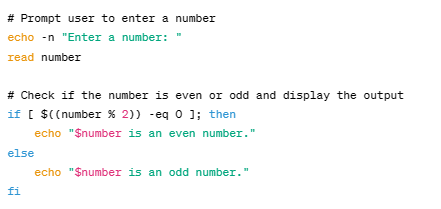


1. Write a shell script to create a tsv file containing name, roll no. and age of 10 students. Then use that tsv file to display only the names of the students in alphabetical order:



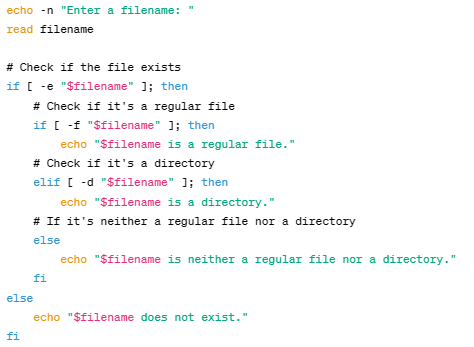
**Q4. Decision based Shell scripts:**

1. Write a shell script that finds whether an entered number is even or odd:



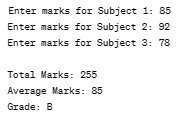
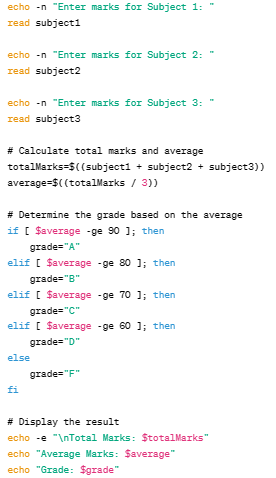


1. Write a shell script to input the name of a file as command line argument and display whether it is a file, a directory or anything else:

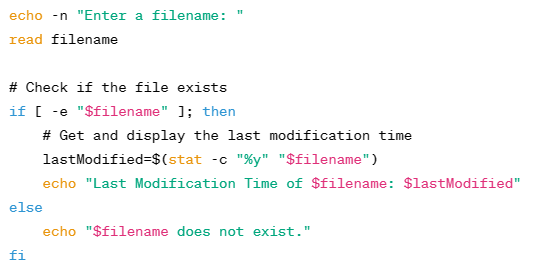




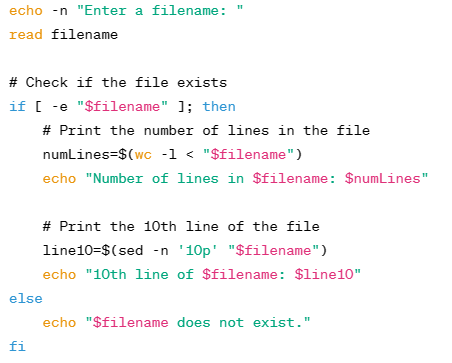
1. Write a shell script to input the marks of a student in 3 subjects and find his grade:

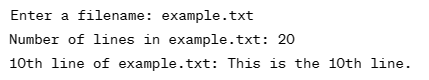


1. Write a Shell script to accept a filename as argument and displays the last modification time if the file exists and a suitable message if it does not:

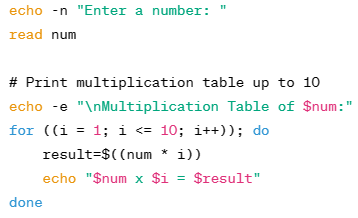
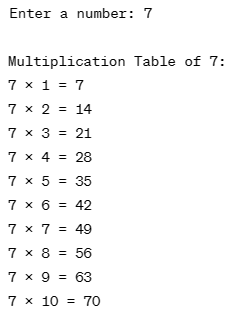
1. Write the shell script to take file name as input and if the file exists then print the number of lines and also print 10th line of that file:



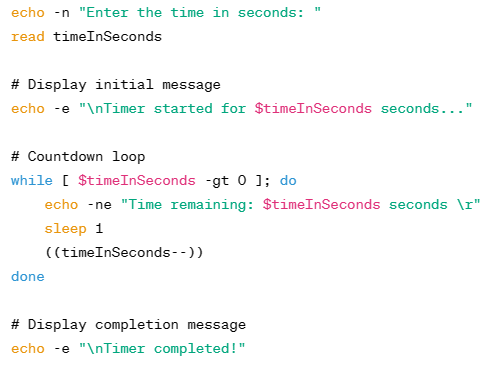
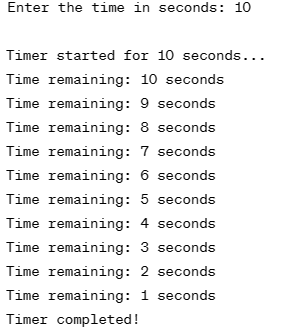


**Q5. Shell scripts related to loops and arrays:**

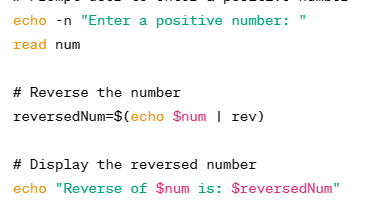
1. Write a shell script that print multiplication table of a given no:

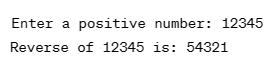
 

1. Write a shell script to implement a timer:

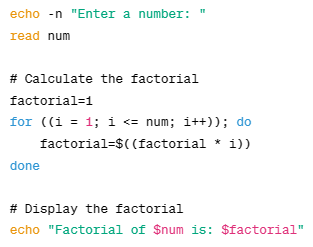
 

1. Write a shell script that print reverse of a given positive number:



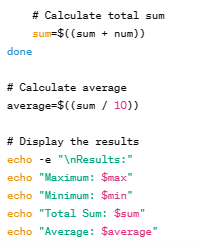
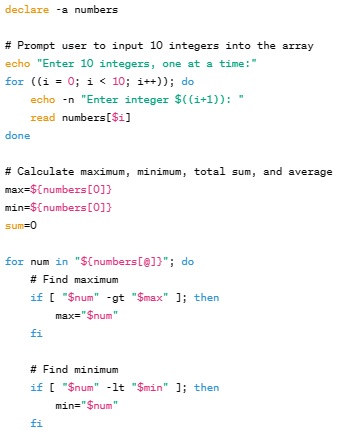


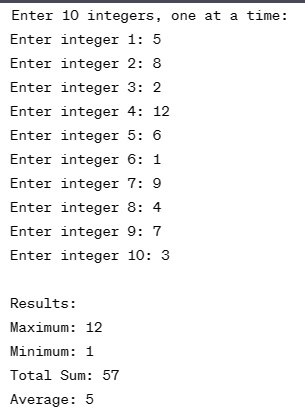
1. Write a shell script that print factorial of a given number:





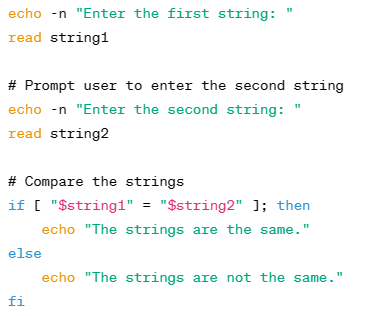
1. Write a shell to demonstrate the working of array. Input 10 integer in array and display maximum, minimum, total sum and average of an array:

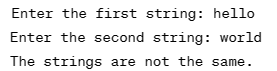




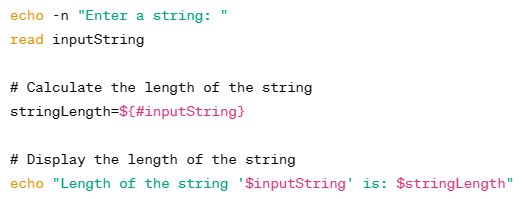
**Q6. Shell scripts related to strings and pipes:**

1. Write a shell script to input two strings from the user and determine whether they are same or not:

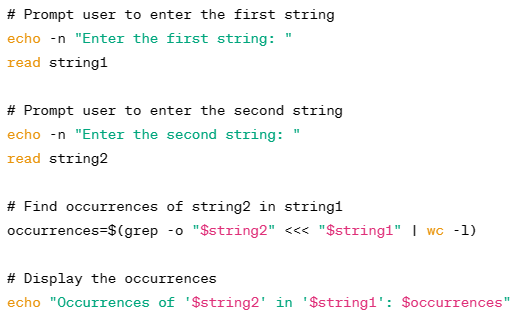


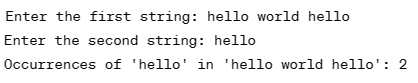


1. Write a shell script to input a string from the user and determine its length:

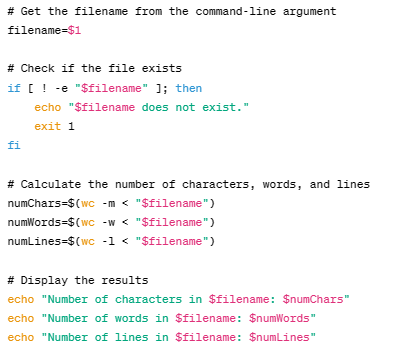


1. Write a shell script to input two strings from the user and find the occurrences of string2 in string 1:



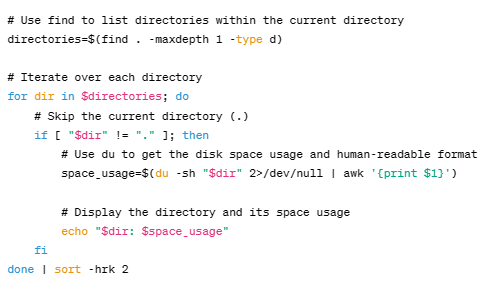


1. Write a shell script to input the name of a file as command line argument and display the number of characters, words and lines in the file:





1. Write a shell script to display a list of directories within the current directory and how much space they consume, sorted from the largest to the smallest:



1. Write a short script count txt to count the total number of .txt files in the current directory, and print out this number to screen:

