

Shri G. S. Institute of Technology and Science, Indore  
Department of Computer Engineering  
CO 34552 : Operating Systems  
Lab Assignment- II

Dt. 01.02.2022

	Date of Submission / Completion
<p><b>Text file data for Q1 to Q6</b></p> <p>Create a text file with the following contents:</p> <pre>G      India      60      22      0.732  ME B      Pakistan   58      24      0.707  IT X      Australia  51      31      0.622  IT Y      Boston    49      33      0.598  CS Z      Africa     48      34      0.585  CE</pre> <p>Using <b>sed</b>:</p> <ol style="list-style-type: none"> <li>Write the command to remove All Empty Lines from the file (using sed)</li> <li>Write the command to replace word 'IT' with 'CS' in File(using sed)</li> </ol> <p>Using <b>grep</b>:</p> <ol style="list-style-type: none"> <li>Write the command to Match all pattern which starts with 'm' and doesn't follow by 'a' (using grep)</li> </ol> <p>Using <b>awk</b>:</p> <ol style="list-style-type: none"> <li>Write a shell script command to print 3rd column from file the file (using awk)</li> <li>Write a shell script command to print 1st field value having 3rd field value more than 50(using awk).</li> <li>Write a shell script command to print the sum of values in 3rd column(using awk).</li> </ol> <p><b>Part B- Shell Scripts :</b></p> <ol style="list-style-type: none"> <li>Write a shell script to print the message : "This is my first shell script"and also the system date and time in the following format : "Today's date is DD:MM:YY" Now the time is HH:MM:SS"</li> <li>Write a shell script which takes two strings as inputs, concatenates them and displays the resulting string.</li> <li>Write a shell script which reads three inputs a,b,c and calculates d,e,f as following, and displays their values:             <ol style="list-style-type: none"> <li><math>d = a+b+c</math></li> <li><math>e = (a-b)*c</math></li> <li><math>f = (a*b)/c</math></li> </ol> </li> <li>Write a shell script to calculate average of set of N numbers; numbers given as input.</li> <li>Write shell script which takes three numbers as input and finds largest among them.</li> <li>Write a shell script which accepts a string from terminal, echoes a suitable message if it doesn't have at least 10 characters.</li> <li>Write a shell script to find out the factorial of given number.</li> <li>Write a shell script to accept the percentage marks of the students and then to</li> </ol>	8/02/2022

display the division. Use case statement for the same.

9. Write a shell script to copy the contents of an array to another array and also display the same.