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S.NO	TYPE	QUESTION	Signature
1	SHELL	Write a shell script which accepts any number of arguments from command line and prints them in the reverse order (for example, if script is named rags, then executing rags A B C should produce C B A on the standard output). (Use for loop).	
2	SHELL	A Unix program to eliminate multiple spaces and tabs and replace with a single space and remove empty lines.	
3	SHELL	Write a Shell program to enhance the inbuilt cal program as below: -> Recognize the month by name. e.g. jan, Jan, JAN, January etc. -> Given zero arguments, should print the current month's calendar. -> Given one argument, prints the month or year's calendar. -> Given two arguments, should behave like cal, except for converting month names into numbers.	
4	SHELL	Write a menu driven shell script to generate the following choices for user: i) To display the file. ii) To display the permissions of the file. iii) To find the pattern in the file a. ignoring the case and b. case sensitive. (using grep) iv) To replace all letters 'e' by 'a'	
5	SHELL	Write a menu-driven shell script to generate the following choices for user: a) To display the last n (entered by user) lines from the file. b) To sort the file in either ascending order or descending order. (using sort command)	
6	SHELL	Write a shell script to print the Good morning, Good Afternoon, Good Evening or Good Night according to the time of the day. 00:00 A.M – 11:59 A.M: Good Morning 12:00 P.M -3:59 P.M: Good Afternoon 4:00 P.M-7:59 P.M: Good Evening 8:00 P.M-11:59: Good Night	
7	SHELL	Write a shell script to list the users currently using the system along with a count of the numbers of times they have logged in.	
8	SHELL	Write a Shell program to accept filename or Directory name from the user and only if the particular file exists and not a directory, allow the user to either i) overwrite the contents of that file or ii) append the contents in the previous contents of that file.	

9	SHELL	Write the shell script to compare two given files, if the contents are same remove the second one.	
10	SHELL	Write the shell script to merge the contents of three given files, sort the text contained in them and display the sorted output on the screen page by page.	
11	SHELL	Write a Shell program to modify the inbuilt cal program to be able to handle following input: \$ cal jan mar nov	
12	SHELL	Write a Shell program to modify the inbuilt cal program to be able to handle following input: \$ cal jan....oct	
13	AWK	Write an awk script to delete duplicated line from a text file. The order of the original lines must remain unchanged.	
14	AWK	Write an AWK Program to implement any sorting technique (Bubble/ Selection/Insertion)	
15	AWK	Write a shell script to check the existence of file in the current directory and folds lines of text of a file beyond 30 characters. (Using awk).	
16	AWK	Write an awk script that accepts date argument in the form of mm-dd-yy and displays it in the form if day, month, and year. The script should check the validity of the argument and in case of error, display a suitable message.	
17	AWK	Write an awk script that accepts two file names as arguments, checks if their permissions are identical (or) different.	
18	LEX	Write a Lex program to count the number of lines and characters in the input file.	
19	LEX	Write a Lex program that implements the Caesar cipher: it replaces every letter with the one three letters after in in alphabetical order, wrapping around at Z. e.g. a is replaced by d, b by e, and so on z by c.	
20	LEX	Write a Lex program that finds the longest word (defined as a contiguous string of upper and lower case letters) in the input.	
21	LEX	Write a Lex program that distinguishes keywords, integers, floats, identifiers, operators, and comments in any simple programming language.	
22	LEX	Write a LEX program to count the number of identifiers in a C file.	
23	LEX	Write a LEX program to count the number of words, characters, blank spaces and lines in a C file.	
24	LEX	Write a LEX specification program that generates a C program which takes a string "abcd" and prints the following output: abcd abc ab a	

25	LEX and YACC	A program in YACC to recognize a valid arithmetic expression	
26	LEX and YACC	Write a YACC program to find the validity of a given expression (for operators + - * and /) A program in YACC which recognizes a valid variable which starts with letter followed by a digit. The letter should be in lowercase only.	
27	LEX and YACC	A Program in YACC to evaluate an expression (simple calculator program for addition and subtraction, multiplication, division).	
28	LEX and YACC	Program in YACC to recognize the string 'abbb', 'ab', 'a' of the language ($a^n b^n$, $n \geq 1$).	
29	LEX and YACC	Program in YACC to recognize the language ($a^n b$, $n \geq 10$). (output to say input is valid or not)	