Exercise 4 (Shell Prog)

				Exe	ercise 4 (SI	nell Prog)		
	List all the files in current directory as follows: (i)List 1 file per line (ii)Sort by modification time (iii)sort by file size (iv)List subdirectories recursively (v)sort in reverse order							
	Create a file file1.t January February March April May June July August September October November December	xt with the followi	ng input					
2.	Write a shell script to display the first four lines of the above file.							
}	Write a script to display last three lines of the above file.							
	Write a script to print lines starting from 4 th line till the last using tail command.							
•	Write a script to print all the lines except the last five lines using head command. Write a script to display 3 rd line to 8 th line and save the output to another file named file2.txt.							
	ID	TYPE	CATEGORY	COMPANY	QTY	PRICE	DATE	
	B001	LENSES	CAMERA	CANON	20	20000	08/06/16	
	B002	SPEAKERS	AUDIO	JBL	30	30000	10/21/17	
	B003	PUZZLES	TOYS	FISHER	40	1000	06/09/12	
	B004	FRAGRANCE	BEAUTY	NIVEA	50	500	22/05/10	
,	Write a script to cre (Use Paste comman		ure in a file.					
	Write a script to a) Extract fields ID and TYPE and save it in file file1.txt. b) Extract fields from company to PRICE and save it in file file2.txt. c) View the contents of file1.txt and file2.txt and display the contents of the file side by side. d) Replace the space between the above output with *. e) Display the Data in the ascending order based on Category. f) Display the Data in the descending order based on type. g) Display the Data in the ascending order based on date. h) Write the above scripts output in sorted.txt i) Display the Data of the file in the lower case j) Replace the * with # and / with — (see example below) k) Convert file1.txt to all uppercase characters. (example tr command \$cat greekfile tr "[a-z]" "[A-Z]") Or tr "[a-z]" "[A-Z]" < greekfile							

0/11/20	- · -						
10.	Create a file "file3.txt" with following content						
	file3.txt						
	Line 1						
	Line 2						
	Line 2						
	Line 3 Line 3						
	Line 3						
	Show only the unique lines of the file "file3.txt"						
	Create a file named 'demo.txt' with the following content.						
	THIS LINE IS THE 1ST UPPER CASE LINE IN THIS FILE.						
	this line is the 1st lower case line in this file. This Line Has All Its First Character Of The Word With Upper Case.						
11	Two lines above this line is empty.						
	And this is the last line.						
	Display all lines containing word 'This'.						
	Create another file 'demo1.txt' with following content.						
	This is my 5th lab of shell.						
12	I like shell scripting.						
	THIS is an interesting subject.						
	Display all lines containing word 'this' from both the files. (ignore case)						
	Display all the lines which contains the word 'is' from 'demo.txt'. Also count						
13.	the line number when word matches.						
	the line number when word matches.						
14.	Display all the lines which starts with the word 'this' and ends with 'file'.						
15.	Display all the lines which do not contain the word 'case'.						
	create file with following contents						
	create me with following contents						
	emeka:x:1438:100::/home/emeka:/bin/ksh						
16.	shelley:x:1439:100::/home/shelley:/bin/ksh						
	dmeyer:x:1440:100::/home/dmeyer:/bin/ksh						
	kurtarn:x:1441:100::/home/kurtarn:/bin/ksh abdul:x:1442:100::/home/abdul:/bin/ksh						
	abddi.x.1442.100/110111e/abddi./biii/kSii						
	Que based on Q16 file						
17							
	(a) Display 1st and third column taking ':' as delimeter						
	Create a script or plan (any command) which will run at 11.38 am through 'at'						
18.	command and verify it by creating any file for output it at 11.38am.						
	command and verify it by creating any me for output it at 11.38am.						
19.	analyse all following options of grep command						
	Option Function						
	-v Shows all the lines that do not match the searched string						
	-c Displays only the count of matching lines						
	- Displays only the count of matering intes						

19	172.21.170.15/0id/2019/oddsem/MSC11/Sem1/information_Sys_Tech/Exercise4.ntm					
-n	Shows the matching line and its number					
-i	Match both (upper and lower) case					
-l	Shows just the name of the file with the string					
atleast 8						
1121 AMIT Sharma						
1123 Ajay Mishra						
1213 Chirag Parikh						
2112 Har	sh Pandya					
•••••						
Now test	sort command with following options					
-r	Reverses sorting					
-n	Sorts numerically					
-f	Case insensitive sorting					
Bat Goat Apple Dog First Eat Hide	ove file and highlight only the lines that do not contain the character					
	ne result should be in reverse order.					
Grep comma	nd (Run all following options with grep command)					
grep [option	ns] pattern [files]					
grep "patter	rn" filename (this command will display lines having pattern "pattern" in filename)					
-h : Display -i : Ignores	cription rints only a count of the lines that match a pattern the matched lines, but do not display the filenames. to case for matching to list of a filenames only.					
	-i -l create a f atleast 8 1121 AM 1123 Ajav 1213 Chii 2112 Har Now test -r -n -f home@Virt Bat Goat Apple Dog First Eat Hide create ab 'a', but th Grep comman grep [option grep "patter Options Desc -c: This pr -h: Display grep "patter					

10/11/2019	172.21.170.15/old/2019/oddsem/MSCIT/Sem1/Information_Sys_Tech/Exercise4.htm
	<pre>-o : Print only the matched parts of a matching line, with each such part on a separate output line.</pre>
23	<pre>\$cat geekfile.txt unix is great os. unix is opensource. unix is free os. learn operating system. Unix linux which one you choose.</pre>
	uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful. Run following commands with Q23
24	<pre>\$grep -i "UNix" geekfile.txt \$grep -c "unix" geekfile.txt \$grep -l "unix" * \$ grep -w "unix" geekfile.txt</pre>
25	Run following commands with Q23 \$ grep -o "unix" geekfile.txt \$ grep -n "unix" geekfile.txt \$ grep -v "unix" geekfile.txt \$ grep "^unix" geekfile.txt \$ grep "os\$" geekfile.txt
	\$cat pattern.txt Agarwal Aggarwal Agrawal \$grep -f pattern.txt geekfile.txt