Bash Scripting 1 Lab work

1) Write the Script to Back Up the Requested Files

Write a Bash backup script that will copy the files as requested and house them in the desired directory.

Remember that we should create the directory with the script so it always exists when copying files.

Create a log file and append the file verbose of backup information. (more information will be great for log file).

2) Modify the Backup Script to Use Variables That Would Allow Other Users to Successfully Run the Script

Ensure that any references to "cloud_user" are replaced by a variable that will reference the username of the user running the script.

Add a Parameter to Determine the Name of the Log File

Add a variable for the log file that will be populated by a parameter passed on the command line.

(Hint use environment variable)

3) Create a bash file named **loop1.sh** with the following script to read the values from a list using for loop. In this example, 5 static values are declared in the lists. This loop will iterate 5 times, and each time, it will receive a value from the lists and store it in the variable named color that will print inside the loop.

4) You can use for loop to iterate the values of an array. Create a new bash file named **loop2.sh** with the following script. In this example, the loop retrieves the values from an array variable named **ColorList**, and it will print the output only if the **Pink** value is found in the array elements.

5) Command-line arguments values can be iterated by using for loop in bash. Create a new bash file named **loop3.sh** with the following script to read and check command line argument is empty or not the command-line argument values using for loop.