BIRZEIT UNIVERSITY

Faculty of Engineering and Technology

Electrical and Computer Engineering Department

Linux Laboratory, ENCS313

To Do #2 Shell script

Time: 120 minutes

The goal of this Todo is to perform backup of a folder starting from a date and the process is repeated every period of time specified by the user.

1- Create a folder (FamilyName-ID) that contains at least 3 txt files. Each file should contain few words.
2- Create the file backupdate.txt that contains two lines, the first line contains the word "Date:" and followed with a date and the second line contains the word "Repeat:" and followed with a number (between 1 and 9)
3- For instance, if backupdate.txt contains:
   Date: 12/08/2020
   Repeat: 1
   Then the backup must start on 12/08 and this process will be repeated every day.
4- The goal is to perform backup of the folder of point 1 to /tmp/backup/date-FamilyName-ID
5- Get the date in the folder name in point 4 from the command *date* (replace the space with "-")
6- Get the start time of the backup from the first line of backupdate.txt
7- The second line of backupdate.txt represents the repeat time in days
8- When the script starts backup, display the sentence "Start Backup on **date".** Where date is actual date provided by the command *date*
9- When the script do a backup, display the sentence "New Backup on **date".** Where date is actual date provided by the command *date*
10- Write a script (Todo2.sh) that copies the content of the folder in point 1 to the folder in point 4 with the specified date and the repeat period given in backupdate.txt
11- Assume the format of the data in backupdate.txt is correct and hence there is no need to check if it is valid.
12- Run the program with date 12/08/2020 and repeat 1
13- Submit a file that contains screenshots of the created folders and files
14- Submit a file that contains the script
15- Hint: the date command has several options. For instance, *date +%F* might help you! (use *man date* for more details)