

COMP 8567

Lab 08 -Shell Programming

Marks: 25

PART A:

Write a Bash script to perform the following:

- Check if the file **sample.txt** is present in your PWD
 - If sample.txt does not exist, create the file
- If sample.txt exists, check if you are the owner of the file
 - If you are the owner, check if the file has write permission
 - If the file has write permission, append the contents of **ls -l** into sample.txt
 - If the file has no write permission(output appropriate message), set the write permission of the file using chmod
 - If you are not the owner, output an appropriate message

PART B:

Write a Bash script that displays the **total number of files** of a particular extension(.c,.txt,.pdf etc) within a given directory.

//The **path of the directory** and the **file extension** are passed as input parameters to the script.

// Paths can be relative or absolute

Sample run:

```
$ ./Countfiles.sh ~/chapter2 .sh //No. of .sh files in chapter2 must be displayed
```

```
$ ./Countfiles.sh /bin .c //No. of .c files in /bin must be displayed
```

Note: If the second parameter is not passed, the count of all the files must be displayed.

Submission:

lab8a.zip
lab8a.txt
lab8b.zip
lab8b.txt

Note: since .sh files are not supported by brightspace, you need to convert them to .zip