

### 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` 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 shell 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:** upload two files: lab6a.sh and Countfiles.sh