

OS1 Mini Project

Write a bash shell script to build a file manager and name it (myfilemanager). This script must take one of the following options. And it should check if there is an option provided. If option is existing and it is one of available options, then call corresponding function, otherwise display message to show available options and usage to user.

1) -c: construct_data_directory

Usage: myfilemanager -c dataDirectoryName

“construct_data_directory” function takes one argument, the name of the directory to be created, such as myfiles. If the directory is existed, then show warning message to reset it (remove all files in it), else create it.

2) -a: add_files

Usage: myfilemanager -a dataDirectory

In case the data directory exists, ask user to enter a file base name, check if the name exists then show error message, else it will create it and it must contain random values.

3) -e: edit_file

Usage: myfilemanager -e dataDirectory fileName

In case the directory and the file are existing, ask user to enter the number of lines that he has to enter, followed by a string for each line to be written into that file.

4) -r: replace_file_content

Usage: myfilemanager -e dataDirectory fileName

In case the directory and the file are existing, ask user to enter the number of the modified line then ask him to enter the new line and replace the old one by the new one.

Administrative Issues:

1. No groups allowed.
2. The more the script clear and interactive with the user the more will be the solution marks.
3. Student must explain the work of each step (by placing comments within the program).
4. Submission deadline is 16/6/2019, send mail to: khattab.joud@gmail.com