

Portable File Manipulator (POFM)

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Introduction:

Portable file manipulator (POFM) helps its users to deal with files such as creating a new one, modifying files, deleting files, and so on and so for. It is called a portable because it has the ability to be implemented on all operating systems like windows, mac, and Linux.

This file manipulator has been designed and developed during the course of operating system project as well as it has enhanced features such as:

- It can be used in any platforms in which means that POFM can be easily ported to any operating system and platform.

- It has the ability to deal with files and everything is related to files, it can handle it.
- As it will be explained later, all commands have “help” utility in order to help you to catch up with the program and shows how each command is used.

This manual explains the many ways in which to use the functions in order to get the most powerful out of this program.

For all further question please get in touch with POFM team – the contact details can be found at the foot of each page.

Functionality of the program:

1. Create a new file
2. Delete a file
3. Rename a file
4. Copy a file
5. Move a file from one directory to another
6. **For text files only:**
 - Append text to the end of a file
 - Insert text in a specific position (counted in characters) of the file
 - Remove all text in a file
 - Show the content of a text file, with the ability to pause per page. The number of lines per page can be specified by the user.

Help utility:

There will be an explanation explains how to use the functions listed above with providing examples to it.

POFM offers many ways of dealing with files. In the implementation field there will be a provided list where you can choose the function you want to work with first.

Note: please consider that in order to modify a file, it should be an exist one in the directory of your system.

Note: please take into consideration that each option will have its own helper during the implementation. Each function for example will ask you first whether you need any help in doing this step.

Create a new file:

This option will let you create a new file.

Please press "1" to create a new file. This new file will have a path which specifies a unique location in a file system. To illustrate, you can find this file that you have created inside the directory of the platform that you are working on.

Delete a file:

This option will let you delete an exist file.

Please press "2" to delete a file. In order to delete a file you should have a one inside your directory, otherwise this function will be useless. For example, if you have a real file exists inside the directory, POFM will ask you to enter the name of the file you want to delete and it will directly delete it.

Rename a file:

This option will let you rename an exist file.

Please press "3" to rename a file. POFM program will ask you to do two things, first one will be that **"Please enter the file name that you want to rename: "** and the second thing will be that **"Please enter the new file name: "**. here, you should enter a file's name you want to rename and then enter the new file's name you want to insert to.

Copy a file:

This option will let you copy a file. Actually, copy means that copy the path of the file and create a new path for a new file.

Please press "4" to copy a file. Here for example, POFM will ask you to enter the file's name you want to do a copy for and then it will directly copy this chosen file path and do another one.

Move a file from directory to another:

This option will let you move a file from one directory to another. This basically means that this option will move this file from where it locates to another chosen location.

Please press "4" to move a file. To illustrate, you have a file where locates in python directory and you want to move it to Matlab directory so this file will be moved from the old directory to the chosen one.

Those first 5 options is to deal with the outside of the files. However, the 6th one is to get in the file and try to modify the thing that's written inside.

As it is illustrated in the figure down, POFM will ask you to enter which option you want to stick with.

```
Please choose what do you want to do from the list:
1)Create a file
2)Delete a file
3)Rename a file
4)Copy a file
5)Move a file from one directory to another
6)modifying Txt files
Get a number:
```

In order to modify the files inside, please press “6”. It is shown down.

```
Please choose what do you want to do from the list:
1)Create a file
2)Delete a file
3)Rename a file
4)Copy a file
5)Move a file from one directory to another
6)modifying Txt files
Get a number: 6
```

After pressing “6” you will see another list asking you to choose which option you want to go with. It is shown down.

```
Please choose what do you want to do from the list:
1)Create a file
2)Delete a file
3)Rename a file
4)Copy a file
5)Move a file from one directory to another
6)modifying Txt files
Get a number: 6

To do modifications within the file choose from the list down:
1)Append a txt to the end of the file
2)Insert a txt in a specific position
3)Remove all txt in a file
4)Show the content of the file
Choose a number:
```

Later on, you should choose from the latest list on option to go with and there will be an explanation for each step of them.

Note: in order to be able to modify the file inside, you should have an exist file. Otherwise, this function won't be able to do the task.

Append text to the end of a file:

This option will let you add word, sentences, and pages to a file. However, they will always be added to the end of the file.

Please press "1" to be able to add to the file. POFM will ask you to do two things, first thing is that to choose a file you want to add to ("Choose the file you want to modify. ") here you should write the file's name you want to change. And then it will ask you to write the things that you want to be added ("what you want to be added to that file. ") here you should write what you want to be added. In this way your file input will be changed.

Insert text in a specific position:

This option will let you append a txt to a specific position. You will specify where this txt should be added.

Please press "2" to insert a txt to file. POFM will ask you three things to do, first thing is that to choose a file you want to insert to ("Choose the file you want to insert a txt to.")

here you should write a file's name. and then will ask you to write what you want to be added and where it should be. Here you should write what you want to be added i.e "Fissal" And then you should write where i.e "2". It is shown down.

```
To do modifications within the file choose from the list down:
1)Append a txt to the end of the file
2)Insert a txt in a specific position
3)Remove all txt in a file
4)Show the content of the file
Choose a number: 2
press 1 for any help in doing this step or press 0 if you do not.. 0
Choose the file you want to insert a txt to..ss
What you want to be added to your file.. "fissal"
where you want you txt to be added: 2
```

This is what happen to the file. It is shown down.

```
How are fissal you sir?
```

Remove all text in a file:

This option will let you remove what is inside the file. Words, numbers, txt, and etc.

Please press "3" to remove texts in a file. POFM will ask you to choose a file and then it will remove everything that was in it.

Show the content of a text file:

This option enables the user to see the file contents by selecting how many pages per page the user need to ubload.

Please press "4" to show all the contennt in a file.