**Project title: File controlling**

Our worked project is focused on file controlling and manipulation on one computer. This is a system-based project and implemented by system programming languages or shell programming.

**Prerequisites**

Before using this system make sure have ubuntu or Linux terminal in window 10.

So, install ubuntu or Linux terminal before use this system.

**Running the tests**

Before run the tests, we want to answer the question what this project works.

So, this project is mainly concerning on controlling File of one computer maybe:

* To copy file from one directory to another directory
* To cut file from one directory to another directory
* To search one file which Is placed at any position
* To delete a specific file from one directory
* To display the content of one file in a terminal
* To hide a file from one directory
* To un hide the file which is hided before
* To encrypt a file from one directory
* To decrypt a file from one directory

Let us see each functionality by commands.

**Functionality on this project**

1. **copy** one file from one directory to another directory

Use -c command

Pass source path and destination path from command line

E.g. **$ ./a.out -c /home/beti/Desktop/file.txt /home/beti/Documents/dest.txt**

**To clarify more**

**/home/beti/Desktop/file.txt – a file that we want to copy or source file**

**/hom/beti/Documents/dest.txt – a destination file that we want to create in documents directory**

**But you want to copy with in the same directory simply use only a file name**

**e.g $./a.out -c file1.txt file2.txt**

2.**cut** one file from one directory to another directory

Use -x command

Pass source path and destination path from command line

E.g. **$ ./a.out -x /home/beti/Desktop/file.txt /home/beti/Documents/dest.txt**

**To clarify more**

**/home/beti/Desktop/file.txt – a file that we want to cut or source file**

**/hom/beti/Documents/dest.txt – a destination file that we want to create in documents directory**

**But you want to cut with in the same directory simply use only a file name**

**e.g $./a.out -x file1.txt file2.txt**

**3.search** one file which are placed at any position

Use -s command

Pass a file name that you want to search a file

E.g. **$ ./a.out -s file.txt**

**To clarify more**

**file.txt – is a file that we want to find**

**4.delete** a file from one directory

Use -d command

Pass a file name with absolute path to delete at any position

E.g. **$ ./a.out -d /home/beti/Desktop/file.txt**

**To clarify more**

**/home/beti/Desktop/file.txt – is a file that we want to delete from one desktop directory.**

**But if you want to delete from the current directory simply use only file name**

**e.g. $./a.out -d file.txt**

**5.display** the content of a file in a command line

Use -disp command

Pass a file name with absolute path to display on command line

E.g. **$ ./a.out -disp /home/beti/Desktop/file.txt**

**To clarify more**

**/home/beti/Desktop/file.txt – is a file that we want to display on command line**

**But if you want to delete from the current directory simply use only file name**

**e.g. $./a.out -disp file.txt**

**6.** to **hide** the file

Use -h command

Pass a parent path of a file and the file name

E.g. **$ ./a.out -h /home/beti/Desktop/ hidefile.txt**

**To clarify more**

**/home/beti/Desktop/– is a parent path of a file**

**hidefile.txt – a file name**

**But if you want to hide from the current directory simply use only file name**

**e.g. $./a.out -h “” file.txt**

**7.** to **un hide** the file

Use -uh command

Pass a parent path of a file and the file name

E.g. **$ ./a.out -uh /home/beti/Desktop/ hidefile.txt**

**To clarify more**

**/home/beti/Desktop/– is a parent path of a file**

**hidefile.txt – a file name**

**But if you want to un hide from the current directory simply use only file name**

**e.g. $./a.out -uh “” file.txt**

8.**encrypt** a file from one directory

Use -fe command

Pass a file name with absolute path to encrypt

E.g. **$ ./a.out -fe /home/beti/Desktop/file.txt**

**To clarify more**

**/home/beti/Desktop/file.txt – is a file that we want to encrypt**

**But if you want to encrypt from the current directory simply use only file name**

**e.g. $./a.out -fe file.txt**

9.**decrypt** a file from one directory

Use -fd command

Pass a file name with absolute path to decrypt

E.g. **$ ./a.out -fd /home/beti/Desktop/file.txt**

**To clarify more**

**/home/beti/Desktop/file.txt – is a file that we want to decrypt**

**But if you want to decrypt from the current directory simply use only file name**

**e.g. $./a.out -fd file.txt**