

## **Writeup:**

1. Create the VirtualKey class in the eclipse java project.
2. In the main class display the initial menu which has three operations to perform by using switch case:
  - a) Display the current files in the folder.
  - b) Perform business level operations in file handling.
  - c) Exit from the perform.
3. By entering choice 1 from the user, the showFiles method display all the current files in ascending order. In the showFiles() which first gets total no of file in the folder if the count is 0 the it will display “Folder is empty”. Otherwise, it stores the files name in the array and by using Arrays.sort() method we can display the files in ascending order.
4. By entering choice 2 from the user, it gets into business level operation which also has four operations to perform. It is done by using the switch case method. The operations are:
  - a) Add File:

Get the filename from the user. Then create the new\_one file with directory and given filename int the addFile() method. Next get the files name from the folder and stores into array.Using equalsIgnorecase function compare the files in the folder with user given Filenmae. If Filename exits it will print “File already Exits” otherwise using createNewFile it will create file and add it to the folder.

b) Delete File:

Get the DelFile from the user which has to be deleted. Then create the del\_one file with directory and given filename in the delFile() method. Next get the files name from the folder and stores into array . If the DelFile name matches with the files in the array. Then it will delete the file. Otherwise it will display FNF.

c) Search and Read File:

Get the search filename from the user and compare the search with the file names that stored in the array if it matches it will return file exists. Then create search\_one file with directory and search. By using the FileReader we can read the contents present in the files. Otherwise it will display FNF.

d) Back to initial menu:

When the user enters the option 4 then it will become false and exit the loop. Then returns to the initial menu.

5. By entering choice 3 , it will terminate the program and exit from the application.
6. When the user enters other options than 1,2,3, it will display “Invalid option! Enter the correct Option”.