**Steps followed in virtual key Implementation:**

• Creating a class called “VirtualKey”.

• Creating a file path

• Creating main function.

• Then printing available options.

• Creating a string array :

1. To Retrieving The File Names In An Ascending Order.

2. To Perform Business-Level Operations.

3. Close The Application.

• Creating for each loop.

• Printing array values.

• Creating int value to get input from user through keyboard.

• Creating switch case statement for main menu.

1. If user enter 1, it retrieves the files in ascending order by doing for loop.

2. If user enter 2, it will ask for Business Level Operations.

3. Another switch case statement is created inside do while loop to do business level operation.

(i) If user enter1, it will create file by asking user to enter the file name to

be create. Using try catch block creating if statement. If Boolean value

equals to file.createNewFile, then it will display “file is created”. Else

it will display “file already exists”.

(ii) If user enter 2, it will delete the file by asking user to enter file name to

delete. Using try catch block creating if statement. If Boolean value

equals to file1.delete, then it will display “file is deleted”. Else it will

display “file not found”.

(iii) If user enter 3, it will search file by asking user to enter keyword to

search file. Creating a for loop to search file. It will run till i less than

arr1.length. Creating if statement. If flag == true it will search the file.

Else it will display “file not found”.

(iv) If user enter any number other than 1 to 4, it will display “You have

made an invalid choice”.

(v) if user enter char ‘y’ while condition true again go to business operation and we can do the required action if user enter char ‘n’ exit the business operation redirected to operation function.

4 If user enter 3, it will display “closing your application”.

5 If user enter any number other than 1 to 3, it will display “You have made

an invalid choice”.