**Assessment project : file handling mechanisms**

**Github link:**

[**https://github.com/saranya611/testapp**](file:///C:\Users\SARANYA%20V\Desktop)

**Writeup:**

1. Create the class
2. Ask user to enter the directory path to do the tasks.
3. After that checking the presence of the path
   1. If present, prints “already exists”
   2. Otherwise, creates the directory.
4. Start 1st do-while loop to print the main menu with developer details of switch-case
   1. list the files in ascending order
      1. since retrieving the files from directory already displays the files in ascending order no sorting technique is used.
   2. business operations
      1. it moves into another switch-case and displays a menu
      2. add file
      3. delete file
      4. search file
      5. navigate to main menu
   3. close the application
      1. prints “closing the application Thank you” and the program is closed
5. Then ask the user to enter their choice in integer to complete their desired task. If the choice is invalid print ”invalid choice”
6. If the user chose business operation, it displays the menu to perform
   1. add the file
      1. ask user to give input as character
      2. if the file already present, print “already exists”
      3. -otherwise add the file to the directory
   2. delete the file
      1. get input from the user as character
      2. if the directory contains the file , delete the file
      3. otherwise print ”file doesn’t exists”
   3. search the file
      1. using linear search the searching is done
      2. get input from user as character
      3. if the directory contains the file, print “file is present”
      4. otherwise print ”file is not present”
   4. navigate to the main menu
      1. close the present switch-case and navigate to main menu
7. Then ask the user to enter their choice in character to complete their desired task. If the choice is invalid print ”invalid choice”.

**Linear Search Algorithm:**

* 1. First, we have to traverse the elements
  2. In each iteration of for loop, compare the search element with the current element, and -
     1. If the element matches, then print “element is found”
     2. If the element does not match, then move to the next element.
  3. If there is no match or the search element is not present in the given list , print “element not found”