* Git Repo Link 🡪
* My Project Folder Name is 🡪 Java OOPS Phase 1 Assessment.
* VirtualRepository.java 🡪 Main class with all Methods and Operations to perform.
* For Main Menu Operations:

At First it will give information of Project and its Developer.

Then at next Line it will ask user The path of folder/directory on which he wants to perform following operations.

If user give path which is not directory or which does not exist, the program will show message to user to give proper path of an existing directory and program will run until user doesn’t say to exit.

1. To display files in ascending order:

For This I had implemented Selection Sort Algorithm which compare files on basis

of their names and display the file name, path of file.

1. To perform Certain Operations on file:

This Option will call Operation Menu methods where user could do 3 types of operations on files of current Directory.

* 1. To add a File : This operation will further give user two following option. Following both Method are case sensitive.
     1. To add a File : This will take File name as input from user and will create the new file if it does not exist. If the File exist already it will display the message as file already exist, so could not create new file with same name and thus will return again to Operation Menu.
     2. To add a Folder : This will take Folder Name as input from user and will create new folder of same name if it does not exist already. If it does exist it will display message as Folder with same name is already there, so unable to create folder.
  2. To remove a File : This operation will take name of file to delete as input from user and will delete it if it does not have a security issues or if it does exist already. Else it will show the error as message.
  3. To search a File : This operation will take file name to be search in current directory only. It will not search in subdirectory. For ease of use I had not kept this method as case sensitive.
  4. To return to Main Menu : If user chooses this option he will be redirected to Main Menu. If user give any invalid command as input the operation Menu will again ask for correct input.

1. To Exit an application safely:

This will close the program safely without creating any problem to user files.

I Have given Screen Shots as example of performing above operations. Also the Flowchart of a project is given below. Wish to have a glimpse on Documentation which will definitely clear any doubt you have about this program.

**Virtual Key Repository:**

**Flow Chart**

User Input

Display the welcome Screen

1.Application Name and Developer details

2.UserInterface-Valid path of a folder on which wants to perform operations.

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Switch case

Returns Files in Ascending order

Exit the application

File operations options

Display options- 1. Add a File. 2. Delete a File. 3.Search a File. 4. Back to the main menu.

Switch Case

1 2 3 4

Back to Main Menu

Search for a File

Delete a File

Add a File

A