**Virtual Key for Your Repositories**

Writeup:

\*\*\*\*\*Should display invalid option when wrong input is entered\*\*\*\*\*

1. Print welcome text and developer name

2. Print the main menu details

----show files

----Show file option menu

----quit

3. Get input from user

----Use switch statement to choose the option

4. Place the respective functions on each cases

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case - 1(show files)

> Create a function called "showfiles()" and call it from case 1

> Create a class called " Directory" and use it to collect the files from the root directory and sort them.

> Create another class called "DirectoryService". Import the files from "Directory" and print the files.

> Call the function that contains main menu details

> Break

case - 2(show file option menu)

> Create a interface "screen" which contains main menu details and user input functions

> Create a class called " FileOptionsScreen" and implement screen

> Print the file menu details in a function

----1. Add a file

----2. Delete a file

----3. Search a file

----4. Return to main menu

> Get input from user

----Use switch statement to choose the option

> Create 3 more functions to perform these operations

> Place these functions according to each case

> Call the function that contains main menu details

> Break

case - 3(Quit)

> While getting the input from the user, use this condition

if(selectedOption != 3) -----> goes into switch statement

else ------> Close Application

\*\*\*\*\*\*\*\*\*Print invalid if wrong input is entered\*\*\*\*\*\*\*\*\*\*\*\*\*

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Show file menu option:

1. Add a file

> Get the file name to be added from user

> Create an obj and store the root directory path

> Use if-else statement to add the file

> print "File already exists" if there a file with same name in directory

2. Delete a file

> Same as adding a file

> Get the file name to be deleted

> Create an obj and store the root directory path

> Check the directory with file name and delete the file using "if-else"

> print "File not found" if there is no file with same name in directory

3. Search a file

> Declare a boolean variable and initialize to false

> Get the file name to be searched

> Get the files from directory and store it in array list

> Traverse the array using "for loop" and search the file

> If file found, change the boolean variable to true and print "file found"

> If file not found, print "file not found"

4. Return to main menu

> call the main menu function

\*\*\*\*\*\*\*\*\*Print invalid if wrong input is entered\*\*\*\*\*\*\*\*\*\*\*\*\*

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