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package com.demo;

import java.io.File;
import java.io.FileFilter;
import java.io.IOException;
import java.util.Arrays;
import java.util.Comparator;
import java.util.Scanner;

import jdk.internal.misc.FileSystemOption;

public class MainProjectUpload {

    public static void add() throws IOException
    {
        System.out.println("Enter your file name");
        Scanner s1 = new Scanner(System.in);
        String p = s1.nextLine();

        File f11 = new File("C:\\Users\\Vishnu
Avtar\\Desktop\\Project\\"+p);

        if(f11.createNewFile())
            System.out.println("File is created");
        else
            System.out.println("File is already exist");
    }

    public static void delete()
    {
        System.out.println("Enter file name which you want to
delete..Example :- abc.txt");
        Scanner s2 = new Scanner(System.in);
        String p2 = s2.nextLine();

        File f12 = new File("C:\\Users\\Vishnu
Avtar\\Desktop\\Project\\"+p2);

        if(f12.delete())
            System.out.println("File is deleted");
        else
            System.out.println("File is not deleted or file is not
found");
    }

    public static void search()
    {
        System.out.println("Enter your file name to search");
        Scanner s3 = new Scanner(System.in);
    }

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        String p3 = null;
        p3 = s3.nextLine();
        File f13 = new File("C:\\Users\\Vishnu
Avtar\\Desktop\\Project\\"+p3);
        if( f13.exists())
        {
            System.out.println("File is available");
        }
        else
            System.out.println("File is not available");
    }

    public static void accendingorder()
    {
        //write logic to get the files names and arrange them in ascending
order

        File dir = new File("C:\\Users\\Vishnu
Avtar\\Desktop\\Project");
        if(dir.isDirectory())
        {
            // This is through fetching the file from list the
directory

            File[] files = dir.listFiles();

            System.out.println("All the files including folders");
            System.out.println("@@@-----

@@@");

            // This is through sort files by name
            Arrays.sort(files, new Comparator()
            {
                @Override
                public int compare(Object f1, Object f2) {
                    return ((File) f1).getName().compareTo(((File)
f2).getName());
                }
            });

            // This is through print the file name in accending
order.

            for(File file:files)
            {
                System.out.println(file.getName());
            }
            System.out.println("\nAfter sorting by name");
            System.out.println("|||-----

-|||");

            // This is through Sort files by size.

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        Arrays.sort(files, new Comparator()
        {
            @Override
            public int compare(Object f1, Object f2)
            {
                if (((File) f1).length() < ((File)
f2).length())
                {
                    return -1;
                }
                else if (((File) f1).length() > ((File)
f2).length())
                {
                    return 1;
                }
                else
                {
                    return 0;
                }
            }
        });

        //By this Prints files in order by file size
        for(File file:files)
        {
            System.out.println(file.getName());
        }
        System.out.println("\nAfter sorting by length");
        System.out.println("<<<-----");
>>>");

        for(File file:files)
        {
            System.out.println(file.getName());
        }
        System.out.println("-----");
        System.out.println("-----");
    }

    public static void main(String[] args) throws IOException {

        System.out.println("\n***** Welcome to Lockedme.com
*****\n");
        System.out.println("Application Name: Virtual Key \n");
        System.out.println("*****----->>>Developer Details-----
>>>*****\n");
        System.out.println("Name: Vishnu Avtar\r\n"
            + "Designation: Software Developer\r\n"
            + "Date: 05-05-2022");
    }

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System.out.println("+++++++");

        while(true)
        {
            System.out.println("\nThis is the main menu
of the application-- Select any option which you want perform.");
            System.out.println("\nEnter 1 : get file
names in ascending order");
            System.out.println("Enter 2:  for Business
Level Operation");
            System.out.println("Enter 3: Close the
Application");

            System.out.println("Enter your choice");

            Scanner v = new Scanner(System.in);

            int option= v.nextInt();

            if(option==1)
            {
                accendingorder();
            }

            else if(option ==2)
            {
                System.out.println("This is sub menu of
the main menu which performs Business level operations. ");
                System.out.println("\n--->Select Any
one to perform business levele operations");
                System.out.println("\nEnter 1 : add
file");
                System.out.println("Enter 2:  delete
file");
                System.out.println("Enter 3:  search
file");
                System.out.println("Enter 4:  go
back");

                System.out.println("Enter your choice
:- ");

                int input = v.nextInt();

                switch(input)
                {

                    case 1: {  add();  break;  }

                    case 2: { delete(); break;  }

                    case 3: { search(); break;  }

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        case 4: { System.out.println("Back is
Successful"); break; }
    }
}

else if(option == 3 )
{
    System.out.println("Your exit are
successfully ");
    System.out.println("If you want to
perform all the task again then you run the program again ");
    System.exit(option);
}

else
{
    System.out.println("Please Enter valid
Choice");
}
}
}

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Name :- Vishnu Avtar