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package com;
import java.awt.*;
import java.io.File;
import java.io.FileOutputStream;
import java.io.IOException;
import java.util.Scanner;
public class AssesmentProject {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.out.println("Welcome");
        boolean exit = false;
        while (!exit){
            Scanner sc = new Scanner(System.in);
            System.out.println("1.Create File \n2.Update File \n3.Delete File \n4.Open File \n5.Search \n6.Exit");
            System.out.print("Enter your choice number : ");
            int choice = sc.nextInt();
            switch (choice) {
                case 1:
                    createFile();
                    break;

                case 2:
                    updateFile();
                    break;

                case 3:
                    deleteFile();
                    break;

                case 4:
                    openFile();
                    break;

                case 5:
                    searchFile();
                    break;

                case 6:
                    exit = true;
                    break;

                default:
                    System.out.println("Enter Valid Option");
            }
        }

    }

    public static void createFile() {
        try {
            System.out.print("Enter file name : ");
            Scanner fi = new Scanner(System.in);
            String fileName = fi.nextLine();
            File file = new File(fileName);

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        boolean flag = file.createNewFile();
        if (flag) {
            System.out.println("File has been created successfully at the specified location");
        } else {
            System.out.println("File already present at the specified location");
        }
    } catch (IOException e) {
        System.out.println("Exception Occurred:");
        e.printStackTrace();
    }
}

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public static void updateFile() {
    try {
        Scanner up = new Scanner(System.in);
        System.out.print("Enter the file name with specific location: ");
        String name = up.nextLine();
        FileOutputStream fos = new FileOutputStream(name, true);
        System.out.print("Enter file content: ");
        String str = up.nextLine() + "\n";
        byte[] b = str.getBytes();
        fos.write(b);
        fos.close();
        System.out.println("The file has been saved on the given path.");
    } catch (Exception e) {
        System.out.println("Exception Occurred:");
        e.printStackTrace();
    }
}

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public static void deleteFile() {
    try {
        Scanner dl = new Scanner(System.in);
        System.out.print("Enter the file name to delete: ");
        String name = dl.nextLine();
        System.out.println("Path "+name);
        File f = new File(name);
        if (f.delete())
        {
            System.out.println("File " + f.getName() + " is deleted");
        }
        else {
            System.out.println("Delete operation failed");
        }
    }
    catch(Exception e) {
        e.printStackTrace();
    }
}

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public static void openFile() {
    try {
        Scanner op = new Scanner(System.in);
        System.out.print("Enter the file name to open : ");
    }
}

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String name = op.nextLine();
File file = new File(name);
if (!Desktop.isDesktopSupported())
{
    System.out.println("not supported");
    return;
}
Desktop desktop = Desktop.getDesktop();
if (file.exists())
    desktop.open(file);
}
catch(Exception e) {
    e.printStackTrace();
}
}

```

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public static void searchFile(){
    Scanner sf = new Scanner(System.in);
    System.out.print("Enter the file name to open : ");
    String name = sf.nextLine();
    File directory = new File("G:\\Phase 1 Dir");
    String[] flist = directory.list();
    int flag = 0;
    if (flist == null) {
        System.out.println("Empty directory.");
    }
    else {
        for (int i = 0; i < flist.length; i++) {
            String filename = flist[i];
            if (filename.equalsIgnoreCase(name)) {
                System.out.println(filename + " found");
                flag = 1;
            }
        }
    }
    if (flag == 0) {
        System.out.println("File Not Found");
    }
}
}

```