**Code for Mainmenu**

package endproject;

import java.io.File;

import java.io.IOException;

import java.util.Arrays;

import java.util.Scanner;

import endproject.exception.ProperOptionValue;

import endproject.utility.SubMenu;

public class FileMenu {

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

Scanner scanner = new Scanner(System.in);

File currentDirectory = new File("/home/amrutaneelvodaf/Desktop/files");

String[] fileNames = currentDirectory.list();

String con;

do {

System.out.println("Virtual Key : Created By Amruta Neel!");

System.out.println("1:Display all files present in the current directory in ascending order.");

System.out.println("2:Sub Option");

System.out.println("3:Exit");

System.out.println("Plz enter your choice");

int choice = scanner.nextInt();

switch (choice) {

case 1:System.out.println("all files in ascending order");

Arrays.sort(fileNames);

for (String fileName : fileNames) {

System.out.println(fileName);

}

break;

case 2:SubMenu.subMenuOptions();

break;

case 3:System.exit(0);

}

System.out.println("do you want to continue?(y/n)");

con = scanner.next();

try {

if(!con.equals("y") && !con.equals("n")) {

throw new ProperOptionValue("Plz enter Y or N");

}

}catch(Exception e) {

System.out.print(e);

}

} while (con.equalsIgnoreCase("y"));

}

}

Code for submenu

package endproject.utility;

import java.io.File;

import java.io.IOException;

import java.util.Scanner;

import endproject.FileMenu;

public class SubMenu {

public static void subMenuOptions() throws Exception{

File currentDirectory = new File("/home/amrutaneelvodaf/Desktop/files");

System.out.println("Welcome to Sub Options");

boolean d = false;

while (!d ) {

System.out.println("2: Sub Menu Options");

System.out.println(" a: Create a new file");

System.out.println(" b: Delete a file");

System.out.println(" c: Check if a file exists");

System.out.println(" d: Exit sub menu");

System.out.print("Enter your choice: ");

Scanner scanner = new Scanner(System.in);

char choice = scanner.next().charAt(0);

switch (choice) {

case 'a':

System.out.print("Enter the file name you want to create: ");

String newFileName = scanner.next();

File newFile = new File(currentDirectory, newFileName);

if (newFile.exists()) {

System.out.println("File already exists.");

}

if (newFile.createNewFile()) {

System.out.println("File created successfully.");

} else {

System.out.println("Failed to create the file.");

}

break;

case 'b':

System.out.print("Enter the file name you want to delete: ");

String fileToDelete = scanner.next();

File fileToDeleteObject = new File(currentDirectory, fileToDelete);

if (fileToDeleteObject.exists()) {

if (fileToDeleteObject.delete()) {

System.out.println("File deleted successfully.");

}

} else {

System.out.println("File not present.");

}

break;

case 'c':

System.out.print("Enter the file name you want to check: ");

String fileToCheck = scanner.next();

File fileToCheckObject = new File(currentDirectory, fileToCheck);

if (fileToCheckObject.exists()) {

System.out.println("File present.");

} else {

System.out.println("File not present.");

}

break;

case 'd':

d = true;

System.out.println("you have exited from submenu.");

break;

default:

System.out.println("Invalid choice.");

}

}

}

}

Code for Handling exception

package endproject.exception;

public class ProperOptionValue extends Exception{

public ProperOptionValue() {

// TODO Auto-generated constructor stub

}

public ProperOptionValue(String name){

super(name);

}

}