**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** SLlockedmwP{

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

String filename;

**char** ch;

**try** (// Take user Option from the following mentioned Menu

Scanner input = **new** Scanner(System.***in***)) {

System.***out***.println("Wellcome to simplilear first assissment! ");

System.***out***.println("Simplilearn locckedMe.com will allow you to"

+ " showcase endless options for you to explore your valuable products "

+ "in the world largest market India");

System.***out***.println("Prototype Application");

System.***out***.println("Name: Tuk Adhikari");

System.***out***.println("From: Ghaziabad, India");

System.***out***.println("Simplilearn Full Stack Developer");

System.***out***.println();

**do** {

System.***out***.println("Select File Option to perform any of the following operation:-\n");

System.***out***.println("1.File Creation");

System.***out***.println("2.File List");

System.***out***.println("3.File Delete");

System.***out***.println("4.Search file");

System.***out***.println("5.Exit");

**int** choice = input.nextInt();

**switch** (choice) {

**case** 1:

System.***out***.println("Enter the file name for crating new file");

filename = input.next();

**try** {

File file = **new** File("C:\\Users\\user\\Desktop\\LockedMe.com//" + "input .text");

**if** (file.createNewFile()) {

System.***out***.println("File Created Successfully");

} **else** {

**if** (file.exists()) {

System.***out***.println("File Already Exists");

} **else** {

System.***out***.println("File Doesen't exist");

}

// Delete the file code below

**boolean** b = file.delete();

**if** (b == **true**) {

System.***out***.println("File Deleted");

} **else** {

System.***out***.println("File not Deleted");

}

}

} **catch** (IOException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

**break**;

**case** 2:

*listOfFiles*();

**break**;

**case** 3:

System.***out***.println("Enter the file name which you want to delete");

filename = input.next();

File directory\_delete = **new** File("C:\\Users\\user\\Desktop\\LockedMe.com//");

String[] flist\_delete = directory\_delete.list();

// String[] flist = directory.list();

**int** flag\_d = 0;

**if** (flist\_delete == **null**) {

System.***out***.println("There is no file preseent in the directory");

} **else** {

// Linear search in the array

**for** (**int** i = 0; i < flist\_delete.length; i++) {

String delete\_filename = flist\_delete[i];

**if** (delete\_filename.equalsIgnoreCase(filename)) {

File file = **new** File("C:\\Users\\user\\Desktop\\LockedMe.com//" + delete\_filename);

**if** (file.delete()) {

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

} **else** {

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

}

flag\_d = 1;

}

}

}

**if** (flag\_d == 0) {

System.***out***.println("File Not Found");

}

**break**;

**case** 4:

// Create an object of the File class

// Replace the file path with path of the directory

System.***out***.println("Enter the file name for searching");

filename = input.next();

File directory\_search = **new** File("C:\\Users\\user\\Desktop\\LockedMe.com//");

String[] flist\_search = directory\_search.list();

**int** flag\_s = 0;

**if** (flist\_search == **null**) {

System.***out***.println("There is no file preseent in the directory");

} **else** {

// Linear search in the array

**for** (**int** i = 0; i < flist\_search.length; i++) {

String search\_filename = flist\_search[i];

**if** (search\_filename.equalsIgnoreCase(filename)) {

System.***out***.println(search\_filename + " found");

flag\_s = 1;

}

}

}

**if** (flag\_s == 0) {

System.***out***.println("File Not Found");

}

**break**;

**case** 5:

System.***out***.println("Thank you User");

**break**;

**default**:

System.***out***.println("Your input number is incorrect.Choose correct Number");

**break**;

}

System.***out***.println("Do you want to continue Type (y or n) \n");

ch = input.next().charAt(0);

} **while** (ch == 'Y' || ch == 'y');

}

}

**public** **static** **void** fileSearch() {

// **TODO** Auto-generated method stub

}

**public** **static** **void** listOfFiles() {

// **TODO** Auto-generated method stub

System.***out***.println("\n List of files and Folder \n");

File folder = **new** File("C:\\Users\\user\\Desktop\\LockedMe.com//");

File[] listOfFiles = folder.listFiles();

**for** (File file : listOfFiles) {

**if** (file.isDirectory()) {

System.***out***.println(file.getName());

} **else** **if** (file.isFile()) {

System.***out***.println(file.getName());

}

}

}

}