

Phase -1 Assessment ---> ScreenShots

Programming code

```
1 package com.demo;
2
3 import java.io.File;
4
5
6
7
8
9
10 public class MainProjectUpload {
11
12
13     public static void add() throws IOException
14     {
15         System.out.println("Enter your file name");
16         Scanner s1 = new Scanner(System.in);
17         String p = s1.nextLine();
18
19         File f11 = new File("C:\\Users\\Vishnu Avtar\\Desktop\\Project\\"+p);
20
21         if(f11.createNewFile())
22             System.out.println("File is created");
23         else
24             System.out.println("File is already exist");
25     }
26
27
28
29     public static void delete()
30     {
31         System.out.println("Enter file name which you want to delete..Example :- abc.txt")
32         Scanner s2 = new Scanner(System.in);
33         String p2 = s2.nextLine();
34
35         File f12 = new File("C:\\Users\\Vishnu Avtar\\Desktop\\Project\\"+p2);
36
37         if(f12.delete())
38             System.out.println("File is deleted");
39         else
40             System.out.println("File is not deleted or file is not found");
41     }
42
43
44 }
```

```

44
45 public static void search()
46 {
47     System.out.println("Enter your file name to search");
48     Scanner s3 = new Scanner(System.in);
49     String p3 = null;
50     p3 = s3.nextLine();
51     File f13 = new File("C:\\Users\\Vishnu Avtar\\Desktop\\Project\\"+p3);
52     if( f13.exists())
53     {
54         System.out.println("File is available");
55     }
56     else
57         System.out.println("File is not available");
58 }
59
60
61
62 public static void accendingorder()
63 {
64     //write logic to get the files names and arrange them in ascending order
65
66     File dir = new File("C:\\Users\\Vishnu Avtar\\Desktop\\Project");
67     if(dir.isDirectory())
68     {
69         // This is through fetching the file from list the directory
70         File[] files = dir.listFiles();
71
72         System.out.println("All the files including folders");
73         System.out.println("@@@-----@@@");
74
75
76
77         // This is through sort files by name
78 Arrays.sort(files, new Comparator()
79 {
80     @Override
81     public int compare(Object f1, Object f2) {
82         return ((File) f1).getName().compareTo(((File) f2).getName());
83     }
84 });
85

```

```

85
86     // This is through print the file name in ascending order.
87     for(File file:files)
88     {
89         System.out.println(file.getName());
90     }
91     System.out.println("\nAfter sorting by name");
92     System.out.println("|||-----|||");
93
94     // This is through Sort files by size.
95     Arrays.sort(files, new Comparator()
96     {
97         @Override
98         public int compare(Object f1, Object f2)
99         {
100             if (((File) f1).length() < ((File) f2).length())
101             {
102                 return -1;
103             }
104             else if (((File) f1).length() > ((File) f2).length())
105             {
106                 return 1;
107             }
108             return 0;
109         }
110     });
111
112     //By this Prints files in order by file size
113     for(File file:files)
114     {
115         System.out.println(file.getName());
116     }
117     System.out.println("\nAfter sorting by length");
118     System.out.println("<<<----->>>");
119
120     for(File file:files)
121     {
122         System.out.println(file.getName());
123     }
124     System.out.println("-----");
125     System.out.println("-----");
126 }
127
128 }
129
130
131
132
133

```

```

135
136
137 public static void main(String[] args) throws IOException {
138
139     System.out.println("\n***** Welcome to Lockedme.com *****");
140     System.out.println("Application Name: Virtual Key \n");
141     System.out.println("*****----->>>Developer Details----->>>*****\n");
142     System.out.println("Name: Vishnu Avtar\r\n"
143         + "Designation: Software Developer\r\n"
144         + "Date: 05-05-2022");
145     System.out.println("+++++++");
146
147     while(true)
148     {
149         System.out.println("\nThis is the main menu of the application-- Select any
150         System.out.println("\nEnter 1 : get file names in ascending order");
151         System.out.println("Enter 2:  for Business Level Operation");
152         System.out.println("Enter 3: Close the Application");
153
154         System.out.println("Enter your choice");
155
156         Scanner v = new Scanner(System.in);
157
158         int option= v.nextInt();
159
160
161         if(option==1)
162         {
163             accendingorder();
164         }
165
166         else if(option ==2)
167         {
168             System.out.println("This is sub menu of the main menu which performs Busines
169             System.out.println("\n--->Select Any one to perform business levele operatio
170             System.out.println("\nEnter 1 : add file");
171             System.out.println("Enter 2:  delete file");
172             System.out.println("Enter 3:  search file");
173             System.out.println("Enter 4:  go back");
174
175             System.out.println("Enter your choice :- ");
176
177             int input = v.nextInt();

```

```

164
165         switch(input)
166         {
167
168             case 1: { add(); break; }
169
170             case 2: { delete(); break; }
171
172             case 3: { search(); break; }
173
174             case 4: { System.out.println("Back is Successful"); break; }
175
176         }
177     }
178
179     else if(option == 3 )
180     {
181         System.out.println("Your exit are successfully ");
182         System.out.println("If you want to perform all the task again then you");
183         System.exit(option);
184     }
185
186     else
187     {
188         System.out.println("Please Enter valid Choice");
189     }
190 }
191 }

```

OutPut of the program:-

When we run the program then there are many options shows to perform the tasks as per requirement:- -

```
project... | Markers | Properties | Servers | Data Source Explorer | Snippets | Console | Terminal
MainProjectUpload (1) [Java Application] C:\Users\Vishnu Avtar\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (0

***** Welcome to Lockedme.com *****

Application Name: Virtual Key

****----->>>Developer Details----->>>*****

Name: Vishnu Avtar
Designation: Software Developer
Date: 05-05-2022
+++++

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2:  for Business Level Operation
Enter 3: Close the Application
Enter your choice

}

}
```

- *Here i am selecting "1" the i will showing all files in accending order.*

```
*****
***** This is the main menu of the application-- Select any option which you want perform.
*****

Enter 1 : get file names in ascending order
Enter 2:  for Business Level Operation
Enter 3: Close the Application
Enter your choice
1
All the files including folders
@@@-----@@@
+'p'
New folder
apna.txt.txt
computer.txt
exception.txt
javaprogram.txt
project.txt
security.txt
tt.txt
} visdhnu111.txt
vishnu.txt
vishnu1
```

```

After sorting by name
|||-----|||
+'p'
New folder
apna.txt.txt
computer.txt
exception.txt
javaprogram.txt
project.txt
security.txt
tt.txt
visdhnu111.txt
vishnu.txt
vishnu1

```

```

After sorting by length
<<<----->>>
+'p'
New folder
apna.txt.txt
computer.txt
exception.txt
javaprogram.txt
project.txt
security.txt
tt.txt
visdhnu111.txt
vishnu.txt
vishnu1

```

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2: for Business Level Operation
Enter 3: Close the Application
Enter your choice

- **When we select "2" then it is showing four option like add file , delete file , search file and go back in main menu.**

```
Enter your choice
2
This is sub menu of the main menu which performs Business level operations.

--->Select Any one to perform business levele operations

Enter 1 : add file
Enter 2: delete file
Enter 3: search file
Enter 4: go back
Enter your choice :-
1
Enter your file name
vishnuavtar.txt
File is created

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2: for Business Level Operation
Enter 3: Close the Application
Enter your choice
```

```
Enter your choice
2
This is sub menu of the main menu which performs Business level operations.

--->Select Any one to perform business levele operations

Enter 1 : add file
Enter 2: delete file
Enter 3: search file
Enter 4: go back
Enter your choice :-
2
Enter file name which you want to delete..Example :- abc.txt
vishnuavtar.txt
File is deleted

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2: for Business Level Operation
} Enter 3: Close the Application
Enter your choice
```



```

Enter your choice
2
This is sub menu of the main menu which performs Business level operations.

--->Select Any one to perform business levele operations

Enter 1 : add file
Enter 2: delete file
Enter 3: search file
Enter 4: go back
Enter your choice :-
3
Enter your file name to search
vishnuavtar.txt
File is not available

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2: for Business Level Operation
Enter 3: Close the Application
} Enter your choice

```

```

Enter 1 : add file
Enter 2: delete file
Enter 3: search file
Enter 4: go back
Enter your choice :-
4
Back is Successful

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2: for Business Level Operation
Enter 3: Close the Application
Enter your choice

```

- ***When we select 3 then our this program is automatically terminated.***

```

This is the main menu of the application-- Select any option which you want perform.

Enter 1 : get file names in ascending order
Enter 2: for Business Level Operation
Enter 3: Close the Application
Enter your choice
3
Your exit are successfully
If you want to perform all the task again then you run the program again |

```

- *If any user choose another choice then who will see this :-*

```
This is the main menu of the application-- Select any option which you want perform.
```

```
Enter 1 : get file names in ascending order
```

```
Enter 2:  for Business Level Operation
```

```
Enter 3: Close the Application
```

```
Enter your choice
```

```
5
```

```
Please Enter valid Choice
```

```
This is the main menu of the application-- Select any option which you want perform.
```

```
Enter 1 : get file names in ascending order
```

```
Enter 2:  for Business Level Operation
```

```
Enter 3: Close the Application
```

```
Enter your choice
```

Name : - Vishnu Avtar

