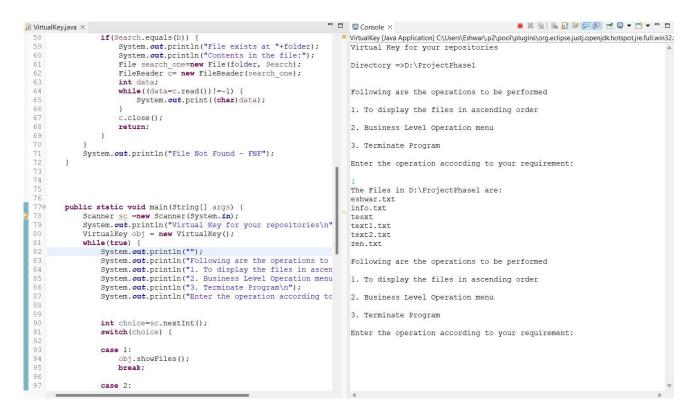
Output:

1. Current Files in Ascending order:



2. Business Level Operation Menu:

a) Add file to the folder:

```
🕖 VirtualKey.java 🗵
                                                                                                                         VirtualKey [Java Application] C:\Users\Eshwar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.
   29
                                                                                                                            Enter the operation according to your requirement:
  31<del>0</del>
32
               void addFile(String Filename) throws IOException {
   File new one= new File(folder, Filename);
   String[] a=folder.list();
                                                                                                                            The Files in D:\ProjectPhase1 are:
                     for(String bia) {
    if(Filename.equalsIgnoreCase(b)) {
        System.out.println("File already exists");
}
                                                                                                                            eshwar.txt
                                                                                                                            info.txt
                                                                                                                            tesxt
                                                                                                                            text1.txt
                                   return;
                            }
                                                                                                                            text2.txt
                                                                                                                            zen.txt
                     new_one.createNewFile();
System.out.println("File Added to the Folder");
                                                                                                                            Following are the operations to be performed
                                                                                                                            1. To display the files in ascending order
               void delFile(String DelFile)
                     File del_one =new File(folder, DelFile);
String a[]=folder.list();
for(String b:a) {
    if(DelFile.equals(b)&&del_one.delete()) {
                                                                                                                            2. Business Level Operation menu
                                                                                                                            3. Terminate Program
                                   System.out.println("File Deleted Successfully");
                                                                                                                            Enter the operation according to your requirement:
                           }
                                                                                                                           Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
                      System.out.println("File Not Found - FNF");
              void searchFile(String Search) throws IOException {
   String a[]=folder.list();
   for(String b:a) {
                           (String b:a) {
  if(Search.equals(b)) {
    System.out.println("File exists at "+folder);
    System.out.println("Contents in the file:");
    File search_one=new File(folder, Search);
    FileReader c= new FileReader(search_one);
}
                                                                                                                            Enter the Filename to add:
                                                                                                                            File Added to the Folder
                                                                                                                           Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
                                    int data;
                                   while ((data=c.read())!=-1) {
                                          System.out.print((char)data);
                                    c.close();
```

b) Delete file in the folder:

```
□ □ □ Console ×

☑ VirtualKev.iava ×
                                                                                               VirtualKey [Java Application] C:\Users\Eshwar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32
            void delFile(String DelFile) {
                                                                                                 text2.txt
                 File del_one =new File(folder, DelFile);
String a[]=folder.list();
                 for(String b:a) {
   if(DelFile.equals(b)&&del one.delete()) {
                                                                                                 Following are the operations to be performed
                           System.out.println("File Deleted Successfully");
                                                                                                1. To display the files in ascending order
                           return;
                     }
                                                                                                2. Business Level Operation menu
                 System.out.println("File Not Found - FNF");
                                                                                                3. Terminate Program
           Enter the operation according to your requirement:
                                                                                                Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
                           int data;
                           while ((data=c.read())!=-1) {
                                                                                                 Enter the Filename to add:
                                 System.out.print((char)data);
                                                                                                 File Added to the Folder
                           c.close();
                                                                                                 Option 1 :- To Add a file in the existing Directory
                     }
                                                                                                Option 2 :- To Delete a file from the existing Directory.

Option 3 :- To Search a user specified file from the Directory

Option 4 :- Back to the previous menu
                 System.out.println("File Not Found - FNF");
                                                                                                 Enter the file name to delete:
                                                                                                 File Deleted Successfully
                                                                                                Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
           public static void main (String[] args) {
                 Scanner (System.in);
System.out.println("Virtual Key for your repositories\n"
                 VirtualKey obj = new VirtualKey();
                      System.out.println("");
```

c) Search the file in the folder and read it contents:

```
□ □ □ Console ×

☑ VirtualKey.java ×

               void searchFile(String Search) throws IOException {
   String a[]=folder.list();
                                                                                                                         VirtualKey [Java Application] C:\Users\Eshwar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32
   56
                                                                                                                         Enter the operation according to your requirement:
                     for(String b:a) {
   if(Search.equals(b)) {
      System.out.println("File exists at "+folder);
}
                                   File search_one=new File(folder, Search);
File Reader c= new FileReader(search_one);
                                                                                                                        Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
                                   int data:
                                                                                                                         Option 4 :- Back to the previous menu
                                   while((data=c.read())!=-1)
                                         System.out.print((char)data);
                                                                                                                         Enter the Filename to add:
                                   c.close();
                                                                                                                         File Added to the Folder
                                  return;
                                                                                                                        Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
                     System.out.println("File Not Found - FNF");
               }
                                                                                                                         Option 4 :- Back to the previous menu
                                                                                                                         Enter the file name to delete:
                                                                                                                         File Deleted Successfully
               public static void main(String[] args) {
                                                                                                                         Option 1 :- To Add a file in the existing Directory
                     Scanner sc =new Scanner(System.in);
System.out.println("Virtual Key for your repositories\n"
                                                                                                                         Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
   79
                     VirtualKey obj = new VirtualKey();
while(true) {
                                                                                                                         Option 4 :- Back to the previous menu
                           System.out.println("");
   82
83
84
85
86
87
88
89
90
                            System.out.println("");
System.out.println("Following are the operations to
System.out.println("1. To display the files in ascen
System.out.println("2. Business Level Operation menu
System.out.println("3. Terminate Program\n");
System.out.println("Enter the operation according to
                                                                                                                         Enter the fiename to search:
                                                                                                                         File exists at D:\ProjectPhase1
                                                                                                                        Contents in the file:
Hi there!
                                                                                                                        Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
                            int choice=sc.nextInt();
                            switch(choice) {
   92
93
94
                            case 1:
   obj.showFiles();
```

d) Back to the previous menu:

```
□ □ □ Console ×
                                                                                                           VirtualKey [Java Application] C:\Users\Eshwar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32
                                                                                                              Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
                Boolean temp= true;
               While (temp) {
System.out.println("");
System.out.println("Option 1 :- To Add a file in the e
System.out.println("Option 2 :- To Delete a file from
System.out.println("Option 3 :- To Search a user speci
System.out.println("Option 4 :- Back to the previous m
                                                                                                              Option 4 :- Back to the previous menu
                                                                                                              Enter the file name to delete:
                                                                                                              File Deleted Successfully
                      int option =sc.nextInt();
                                                                                                              Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
                      switch(option) {
                      case 1:
                            System.out.println("Enter the Filename to add:");
String Filename=sc.next();
                            try {
   obj.addFile(Filename);
   obj.addFile(Filename);
                                                                                                              Enter the fiename to search:
                            } catch (IOException e) {
    System.out.println("Error Occured: "+e);
                                                                                                              File exists at D:\ProjectPhase1
                                                                                                               Contents in the file:
                            break:
                                                                                                              Hi there!
                      case 2:
                            System.out.println("Enter the file name to delete:
                                                                                                              Option 1 :- To Add a file in the existing Directory
                                                                                                              Option 2 :- To Delete a file from the existing Directory.

Option 3 :- To Search a user specified file from the Directory

Option 4 :- Back to the previous menu
                            String DelFile = sc.next();
                             obj.delFile(DelFile);
                      case 3:
                            System.out.println("Enter the fiename to search: "
String Search=sc.next();
                                                                                                              Following are the operations to be performed
                            try {
                                   obj.searchFile(Search);
                                                                                                              1. To display the files in ascending order
                            } catch (IOException e) {
    System.out.println("Error Occured: "+e);
                                                                                                              2. Business Level Operation menu
                            break;
                                                                                                              3. Terminate Program
                      case 4:
   temp=false;
                                                                                                              Enter the operation according to your requirement:
                            break;
                      default:
                            System.out.println("Invalid Choice ! Enter the cor
```

3. Exit from the application:

```
□ □ □ Console ×
<terminated > VirtualKey [Java Application] C:\Users\Eshwar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotsp
                       System.out.println("Enter the file name to delete:
                      String DelFile = sc.next();
obj.delFile(DelFile);
                                                                                         1. To display the files in ascending order
                                                                                         2. Business Level Operation menu
                       break;
                  case 3:
    System.out.println("Enter the fiename to search: "
                                                                                         3. Terminate Program
 124
                       String Search=sc.next();
                       Enter the operation according to your requirement:
                       } catch (IOException e) {
   System.out.println("Error Occured: "+e);
                                                                                         Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
                      break;
                       temp=false;
                       break:
 134
135
                  default:
                                                                                         Enter the file name to delete:
                       System.out.println("Invalid Choice ! Enter the cor
 136
137
                       break;
                                                                                         File Not Found - FNF
                                                                                         Option 1 :- To Add a file in the existing Directory
                                                                                         Option 2 :- To Delete a file from the existing Directory.

Option 3 :- To Search a user specified file from the Directory

Option 4 :- Back to the previous menu
 141
             break;
             System.out.println("Progam Terminated.....Thank you!");
             System.exit(0);
                                                                                         Following are the operations to be performed
             System.out.println("Invalid Choice ! Enter the correct cho
                                                                                         1. To display the files in ascending order
                                                                                         2. Business Level Operation menu
                                                                                         3. Terminate Program
                                                                                         Enter the operation according to your requirement:
                                                                                         \Progam Terminated.... Thank you!
```

4. Default Statement:

```
□ □ □ Console ×
VirtualKey [Java Application] C:\Users\Eshwar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32
          case 2:
               e 2:
Boolean temp= true;
while(temp) {
    System.out.println("");
    System.out.println("Option 1 :- To Add a file in the e
    System.out.println("Option 2 :- To Delete a file from
    System.out.println("Option 3 :- To Search a user speci
    System.out.println("Option 4 :- Back to the previous m
                                                                                                          Enter the fiename to search:
100
                                                                                                         File exists at D:\ProjectPhase1
Contents in the file:
101
102
                                                                                                         Hi there!
103
104
                                                                                                         Option 1 :- To Add a file in the existing Directory
Option 2 :- To Delete a file from the existing Directory.
Option 3 :- To Search a user specified file from the Directory
Option 4 :- Back to the previous menu
105
106
107
                    int option =sc.nextInt();
switch(option) {
 108
109
110
                     case 1:
    System.out.println("Enter the Filename to add:");
                           String Filename=sc.next();
                                                                                                         Following are the operations to be performed
                           try {
    obj.addFile(Filename);
} catch (IOException e) {
111
112
113
114
115
116
117
118
119
                                                                                                          1. To display the files in ascending order
                                System.out.println("Error Occured: "+e);
                                                                                                          2. Business Level Operation menu
                           break;
                                                                                                          3. Terminate Program
                     case 2:
                           System.out.println("Enter the file name to delete:
                                                                                                         Enter the operation according to your requirement:
                           String DelFile = sc.next();
obj.delFile(DelFile);
break;
                                                                                                          Invalid Choice ! Enter the correct choice :
122
123
124
                     case 3:
    System.out.println("Enter the fiename to search: "
                                                                                                          Following are the operations to be performed
                           String Search=sc.next();
 125
126
127
128
129
                           1. To display the files in ascending order
                          } catch (IOException e) {
    System.out.println("Error Occured: "+e);
                                                                                                          2. Business Level Operation menu
130
131
132
133
134
                           break;
                                                                                                          3. Terminate Program
                     case 4:
                           temp=false;
                                                                                                         Enter the operation according to your requirement:
                     break;
default:
                           System.out.println("Invalid Choice ! Enter the cor
```