***Code for Java Virtual key repository***

**package** org.moonshine.sample;

**import** java.io.File;

**import** java.io.FileFilter;

**import** java.io.IOException;

**import** java.util.Arrays;

**import** java.util.Comparator;

**import** java.util.Scanner;

**public** **class** Main {

**public** **static** **void** add() **throws** IOException

{

System.***out***.println("Enter your file name");

Scanner s = **new** Scanner(System.***in***);

String p = s.nextLine();

File f = **new** File("C:\\Users\\ganga\\OneDrive\\Documents\\sample files\\"+p);

**if**(f.createNewFile())

System.***out***.println("File is created");

**else**

System.***out***.println("File is alredy exist");

}

**public** **static** **void** delete()

{

System.***out***.println("Enter file name for delete ex:- xyz.txt");

Scanner ss = **new** Scanner(System.***in***);

String pp = ss.nextLine();

File ff = **new** File("C:\\Users\\ganga\\OneDrive\\Documents\\sample files\\"+pp);

**if**(ff.delete())

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

**else**

System.***out***.println("File is not deleted or file is not found");

}

**public** **static** **void** search()

{

System.***out***.println("Enter your file name to search");

Scanner sss = **new** Scanner(System.***in***);

String ppp = **null**;

ppp = sss.nextLine();

File fff = **new** File("C:\\Users\\ganga\\OneDrive\\Documents\\sample files\\"+ppp);

**if**( fff.exists())

{

System.***out***.println("File is available");

}

**else**

System.***out***.println("File is not available");

}

**public** **static** **void** accendingorder()

{

File dir = **new** File("C:\\Users\\ganga\\OneDrive\\Documents\\sample files");

**if**(dir.isDirectory())

{

// fetching the file from list the directory

File[] files = dir.listFiles();

System.***out***.println("All the files including folders");

System.***out***.println("@@@--------------------------------@@@");

// sort files by name

Arrays.*sort*(files, **new** Comparator()

{

@Override

**public** **int** compare(Object f1, Object f2) {

**return** ((File) f1).getName().compareTo(((File) f2).getName());

}

});

// print the file name in accending order.

**for**(File file:files)

{

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

}

System.***out***.println("\nAfter sorting by name");

System.***out***.println("&&&----------------------------------&&&");

// This is through Sort files by size.

Arrays.*sort*(files, **new** Comparator()

{

@Override

**public** **int** compare(Object f1, Object f2)

{

**if** (((File) f1).length() < ((File) f2).length())

{

**return** -1;

}

**else** **if** (((File) f1).length() > ((File) f2).length())

{

**return** 1;

}

**else**

{

**return** 0;

}

}

});

// Prints files in order by file size

**for**(File file:files)

{

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

}

System.***out***.println("\nAfter sorting by length");

System.***out***.println("<<<------------------------------->>>");

**for**(File file:files)

{

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

}

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

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

}

}

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

System.***out***.println("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("Welcome to Lockedme.com");

System.***out***.println("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("Application name: Virtual Key Repository ");

System.***out***.println("\n\*\*\*\*\* Developer details \*\*\*\*\*\n");

System.***out***.println(" Name: Prashanthi Ganti");

System.***out***.println(" Designation: Software Developer");

System.***out***.println(" Date: 07-05-2022");

**while**(**true**)

{

System.***out***.println("\nEnter 1: To get file names in ascending order");

System.***out***.println("Enter 2: For Business Level Operation");

System.***out***.println("Enter 3: To close the Application");

System.***out***.println("Enter your choice");

Scanner v = **new** Scanner(System.***in***);

**int** option= v.nextInt();

**if**(option==1)

{

*accendingorder*();

}

**else** **if**(option ==2)

{

System.***out***.println("\n--->Select Any one to perform business levele operations");

System.***out***.println("\nEnter 1 : add file");

System.***out***.println("Enter 2: delete file");

System.***out***.println("Enter 3: search file");

System.***out***.println("Enter 4: go back");

System.***out***.println("Enter your choice :- ");

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

**switch**(input)

{

**case** 1: { *add*(); **break**; }

**case** 2: { *delete*(); **break**; }

**case** 3: { *search*(); **break**; }

**case** 4: { System.***out***.println("Back is Successful"); **break**; }

}

}

**else** **if**(option == 3 )

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

System.*exit*(option);

}

**else**

{

System.***out***.println("Kindly enter valid input");

}

}

}

}