**SOURCE CODE:**

**package** demo;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** VirtualKey {

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

CreateFile c=**new** CreateFile();

DeleteFile d=**new** DeleteFile();

DisplayFile dis=**new** DisplayFile();

SearchFile s=**new** SearchFile();

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

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

System.***out***.println("Developer:Shaik Afrin Sulthana");

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

label1:

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

{

System.***out***.println("\nFile Operations:");

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

System.***out***.println("1.Displaying the Files");

System.***out***.println("2.Perform business-level Operations");

System.***out***.println("3.Quit the application\n");

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

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

**switch**(option)

{

**case** 1:dis.DisplayFile();

**break**;

**case** 2: label:

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

{

System.***out***.println("\nBusiness-level Operations");

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

System.***out***.println("1.Create a new File");

System.***out***.println("2.Delete a File");

System.***out***.println("3.Search a File");

System.***out***.println("4.Back to Main menu\n");

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

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

**switch**(choice)

{

**case** 1:c.CreateFile();

**break**;

**case** 2:d.DeleteFile();

**break**;

**case** 3:s.SearchFile();

**break**;

**case** 4:**continue** label1;

**default**:System.***out***.println("Invalid choice");

**break**;

} **continue** label;

}

**case** 3:System.***out***.println("Closing your Application...... Thank you!");

System.*exit*(option);

**break**;

**default**:System.***out***.println("Invalid choice");

**break**;

}

}

}

}

**CREATING A FILE:**

**package** demo;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** CreateFile{

**public** **void** CreateFile() **throws** IOException {

String path="C:\\Creative\\";

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

System.***out***.println("Enter the filename:");

String filename=sc.next();

String finalpath=path+filename;

File f=**new** File(finalpath);

**boolean** b=f.createNewFile();

**if**(b!=**true**)

{

System.***out***.println("file is not created");

}

**else**

{

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

}

}

}

**DELETING A FILE:**

**package** demo;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** DeleteFile {

**public** **void** DeleteFile() {

String path="C:\\Creative\\";

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

System.***out***.println("Enter the filename:");

String filename=sc.next();

String finalpath=path+filename;

File f=**new** File(finalpath);

//delete operation

f.delete();

System.***out***.println("file got deleted");

}

}

**SEARCHING A FILE:**

**package** demo;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** SearchFile {

**public** **void** SearchFile() {

String path="C:\\Creative\\";

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

System.***out***.println("Enter the filename:");

String filename=sc.next();

File f=**new** File(path);

**int** flag=0;

File filenames[]=f.listFiles();

**for**(File ff:filenames) {

**if**(ff.getName().equals(filename)) {

flag=1;

**break**;

}

**else** {

flag=0;

}

}

**if**(flag==1) {

System.***out***.println("file is found");

}

**else** {

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

}

}

}

**DISPLAYING A FILE:**

**package** demo;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** DisplayFile {

**public** **void** DisplayFile() {

String path="C:\\Creative\\";

File f=**new** File(path);

File filenames[]=f.listFiles();

**for**(File ff:filenames) {

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

}

}

}

**OUTPUT:**

File Navigator

Developer:Shaik Afrin Sulthana

-----------------------------------------------------------------

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

1

campus1

destination

hobbies

memories

school

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

2

Business-level Operations

-------------------------------------------------

1.Create a new File

2.Delete a File

3.Search a File

4.Back to Main menu

Enter your choice:

1

Enter the filename:

Tour

file is created

Business-level Operations

-------------------------------------------------

1.Create a new File

2.Delete a File

3.Search a File

4.Back to Main menu

Enter your choice:

4

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

1

campus1

destination

hobbies

memories

school

Tour

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

2

Business-level Operations

-------------------------------------------------

1.Create a new File

2.Delete a File

3.Search a File

4.Back to Main menu

Enter your choice:

2

Enter the filename:

Tour

file got deleted

Business-level Operations

-------------------------------------------------

1.Create a new File

2.Delete a File

3.Search a File

4.Back to Main menu

Enter your choice:

4

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

1

campus1

destination

hobbies

memories

school

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

2

Business-level Operations

-------------------------------------------------

1.Create a new File

2.Delete a File

3.Search a File

4.Back to Main menu

Enter your choice:

3

Enter the filename:

destination

file is found

Business-level Operations

-------------------------------------------------

1.Create a new File

2.Delete a File

3.Search a File

4.Back to Main menu

Enter your choice:

4

File Operations:

------------------------------------------------------------------

1.Displaying the Files

2.Perform business-level Operations

3.Quit the application

Enter your option:

1

campus1

destination

hobbies

memories

school

File Operations:

------------------------------------------------------------------

1.Displaying the Files

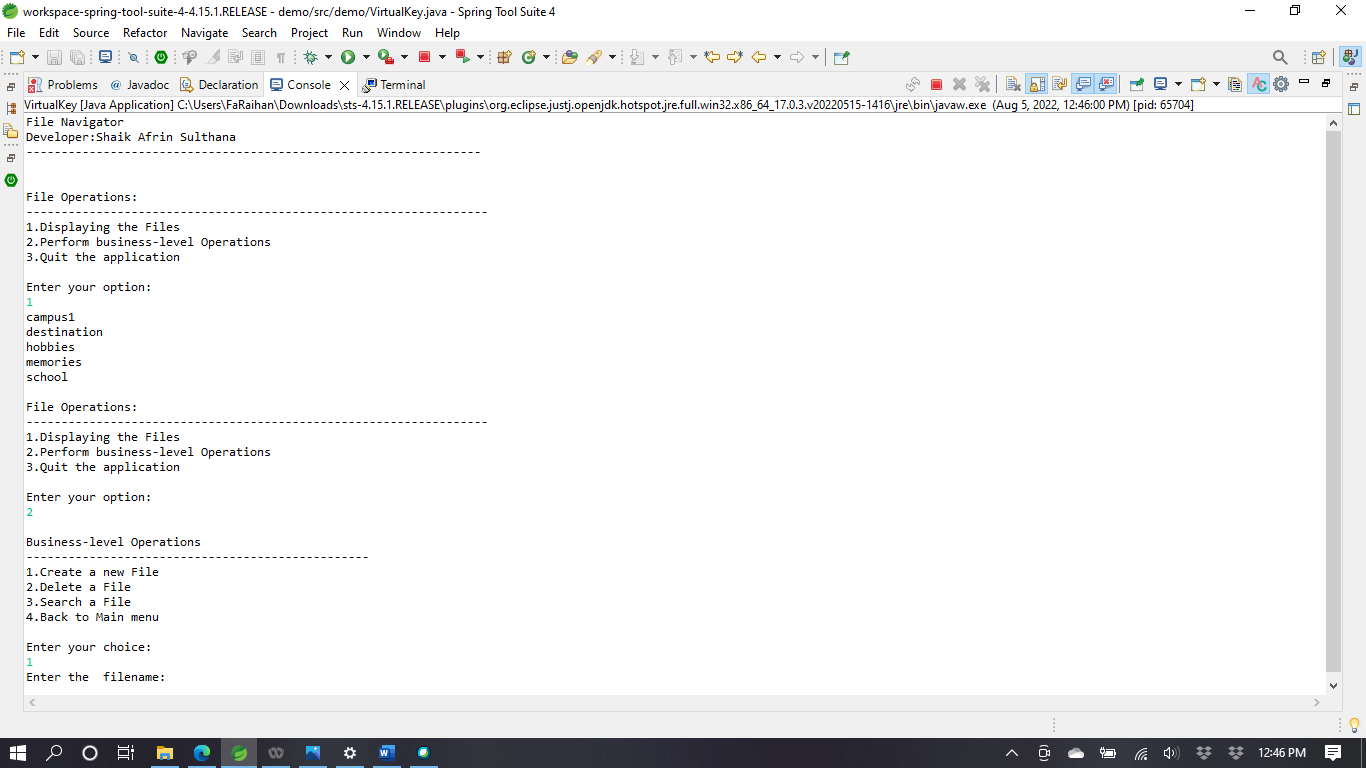
2.Perform business-level Operations

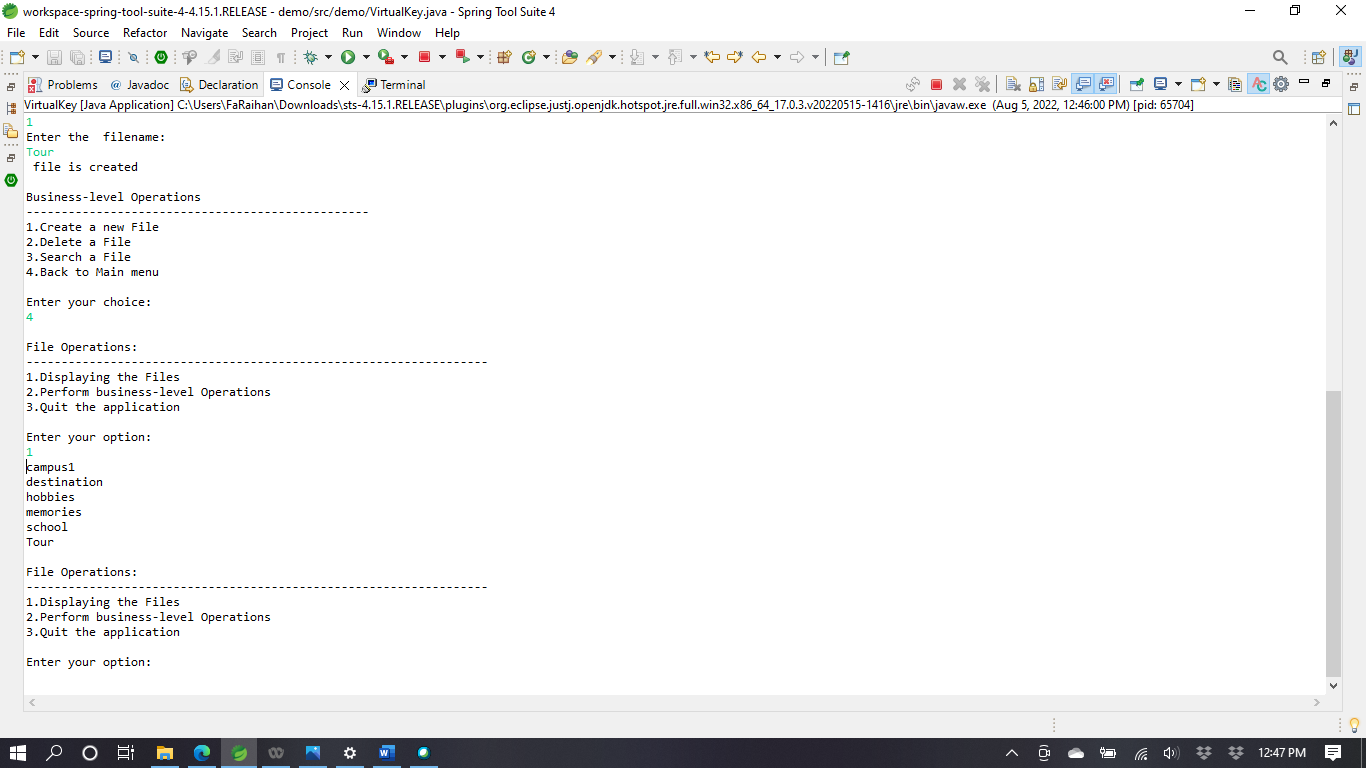
3.Quit the application

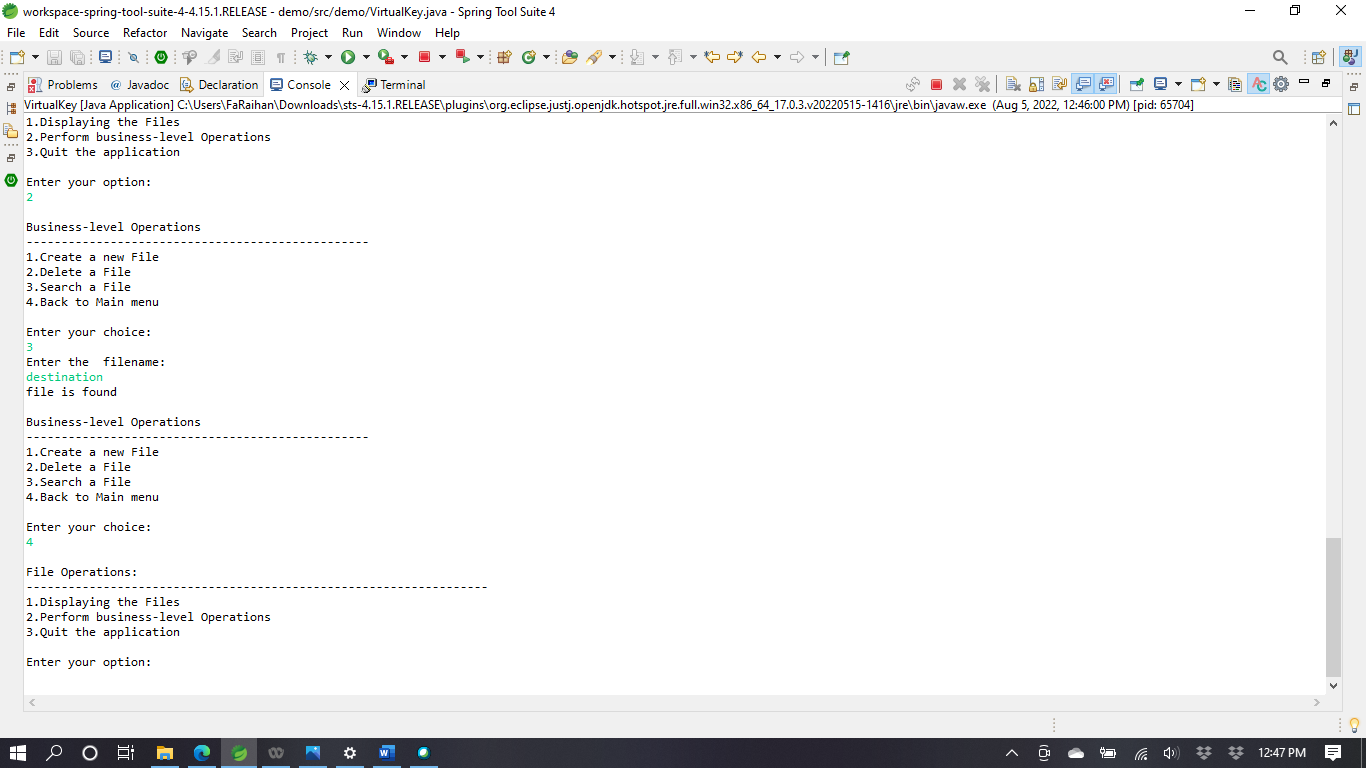
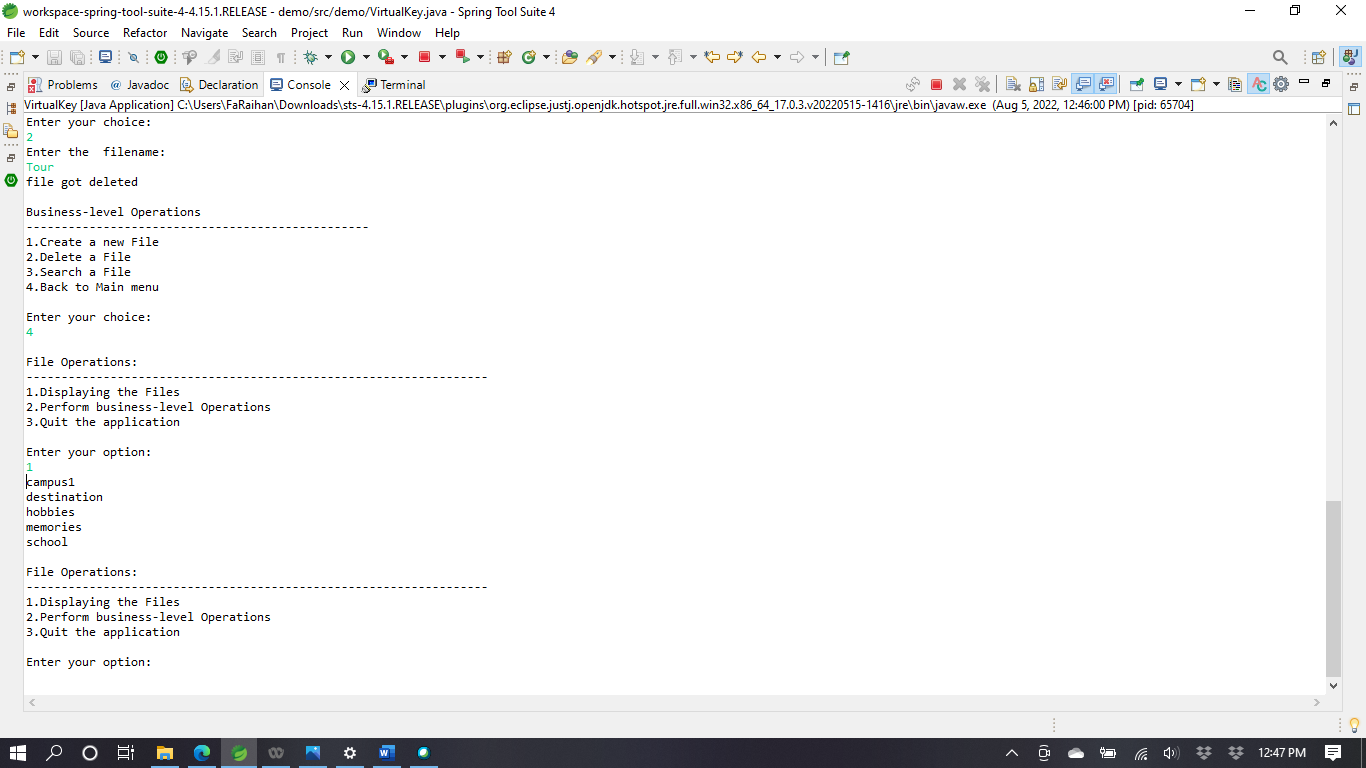
Enter your option:

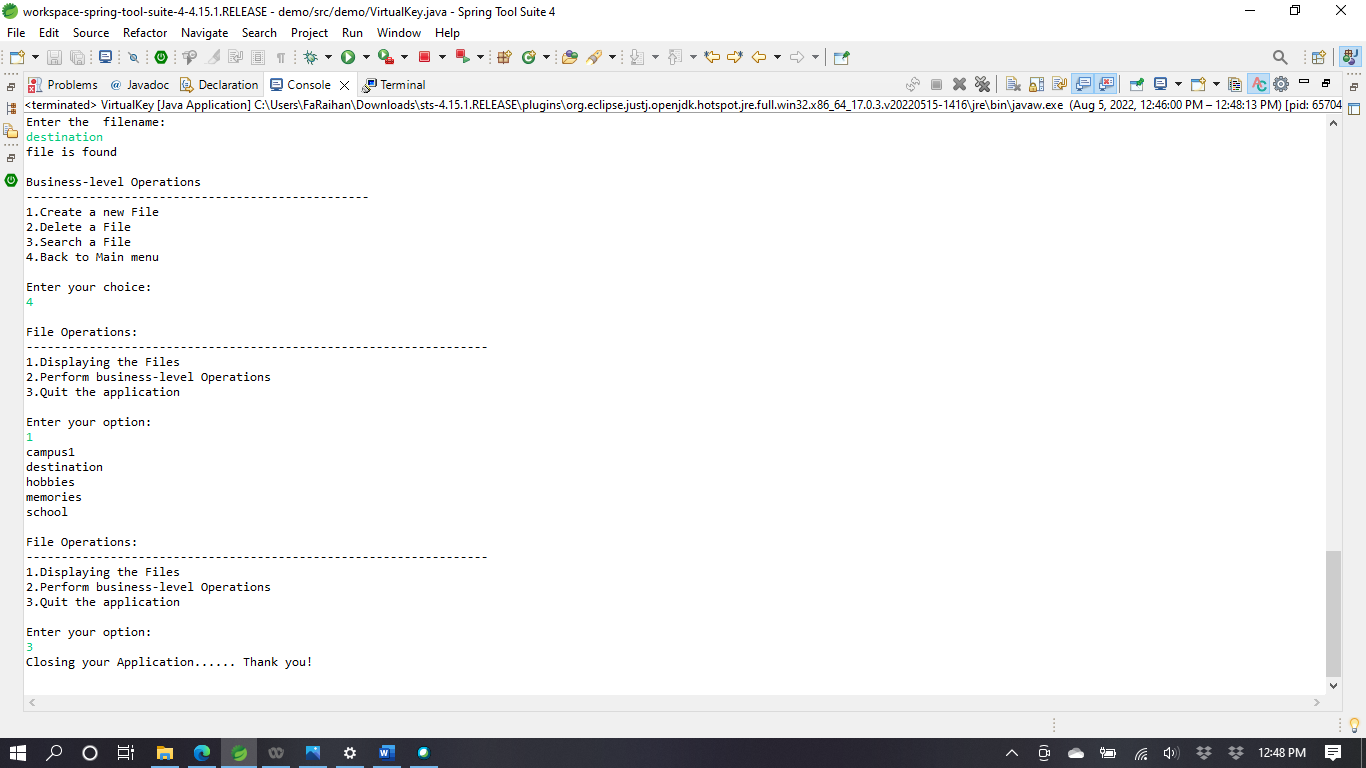
3

Closing your Application...... Thank you!



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