

EXPERIMENT NO: 6File HandlingAim:

Write a java program that reads a file and displays the file on the screen with a line number before each line by handling all file related exceptions

Input

A file

Output Expected

Display the contents of the file along with line number before each line.

AlgorithmStart

1. Input file name from user, str

2. $f \leftarrow \text{fopen}(\text{str})$

3. $n = f.\text{available}()$

4. for $i = 0$ till $i < n$ do

4.1 $\text{ch} = (\text{char})f.\text{read}$

4.2 if $(\text{ch} = \backslash n)$

4.2.1 print Line no:

4.3 else

print ch

4.4 EndIf

2/3/22

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5. End for

stop

Result

Output is obtained.

~~for 2/3/22~~

Output

Enter file name : abc.txt

LINE NO: 1 Hello!

LINE NO: 2 How do you do?

LINE NO: 3 OK! I am fine.


```
//327
//Devika B
//Section C : Qn 2
//File Handling
```

```
import java.util.*;
import java.io.*;
class filchand
```

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

```
        int nl=1,nw=0,i;
        char ch;
        Scanner scr=new Scanner(System.in);
        System.out.print("\nEnter File name: ");
        String str=scr.nextLine();
        try{
            FileInputStream f=new FileInputStream(str);
            int n=f.available();
            int j = 2;
            System.out.print("LINE NO : "+1+" ");
            for(i=0;i<n;i++)
            {
```

```
                ch=(char)f.read();
                if(ch=='\n')
                {
                    System.out.println();
                    System.out.print("LINE NO
                    j++;
                }
                else
                    System.out.print(ch);
```

```
                "+j+" ");
            }
        }
    }
```

```
    catch(Exception e){System.out.print("FILE NOT FOUND");}
```

```
}
```

```
}
```