8. Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes.

**PROGRAM**

import java.io.\*;

import java.util.\*;

class filedemo

{

public static void main(String args[])

{

String filename;

Scanner s=new Scanner(System.in);

System.out.println("Enter the file name ");

filename=s.nextLine();

File f1=new File(filename);

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

System.out.println("FILE INFORMATION");

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

System.out.println("NAME OF THE FILE "+f1.getName());

System.out.println("PATH OF THE FILE "+f1.getPath());

System.out.println("PARENT"+f1.getParent());

if(f1.exists())

System.out.println("THE FILE EXISTS ");

else

System.out.println("THE FILE DOES NOT ExISTS ");

if(f1.canRead())

System.out.println("THE FILE CAN BE READ ");

else

System.out.println("THE FILE CANNOT BE READ ");

if(f1.canWrite())

System.out.println("WRITE OPERATION IS PERMITTED");

else

System.out.println("WRITE OPERATION IS NOT PERMITTED");

if(f1.isDirectory())

System.out.println("IT IS A DIRECTORY ");

else

System.out.println("NOT A DIRECTORY");

if(f1.isFile())

System.out.println("IT IS A FILE ");

else

System.out.println("NOT A FILE");

System.out.println("File last modified "+ f1.lastModified());

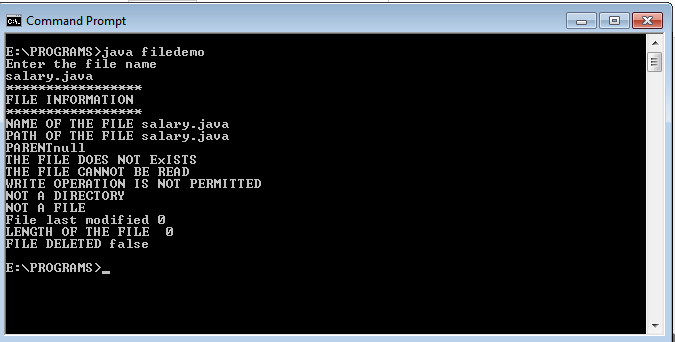
System.out.println("LENGTH OF THE FILE "+f1.length());

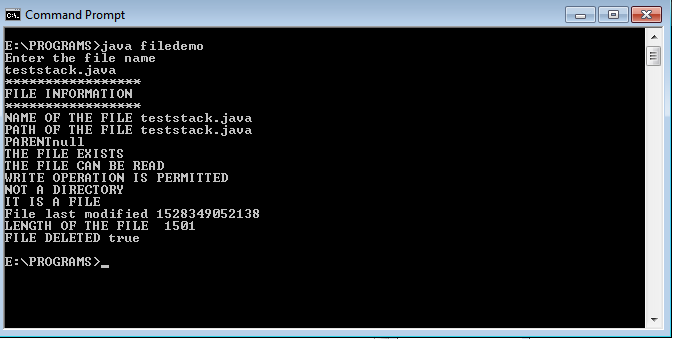
System.out.println("FILE DELETED "+f1.delete());

}

}

**OUTPUT**

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