EX.No:7	FILE INFORMATION APPLICATION
DATE:13-09-19	

AIM:

   To design 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 file in bytes.
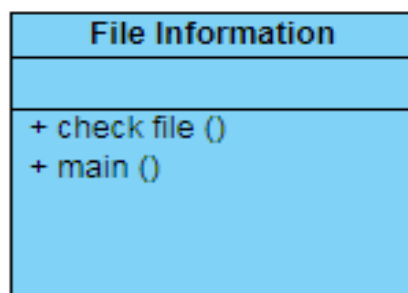
REQURIMENT:
   I.   To know about afile name and how to read and how to access file.
   II.   A package named file info
   III. A class file information.

ALGORITHM:
   1.   Start
   2.   Create a package file info
   3.   Create a class file information.
   4.   For reading file to know file name,get the input from the user.
   5.   Check the file information
   6.   Print the file is rEAdable or writable.

CLASS DIAGRAM:

PROGRAM:

```
/*
* This program is to implement push and pop operation
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*
*/
package fileinfo;

import java.io.File;
import java.util.Scanner;

public class Fileinformation {
 public void CheckFile()
 {
        Scanner sc=new Scanner(System.in);
```

```java
        String filename;
        File f;

        System.out.println("Enter the name of a file with full path:");
        filename=sc.next();
        f=new File(filename);

        if(f.exists()==true)
{
        System.out.println("The file exists.");
        if(f.canRead()==true)
{
        System.out.println("The file can be read.");
}else
{
        System.out.println("The file cannot br read.");
        if(f.canWrite()==true)
{
        System.out.println("The file can be written.");
}else
{
        System.out.println("The file cannot br written.");
        if(f.canExecute()==true)
{
        System.out.println("The file type is executed.");
}else
{
        System.out.println("The file type is not excuted.");
}
}
        System.out.println("Length:"+f.length());
}
}
        else
{
        System.out.println("the file does not exist.");
}
}
        public static void main(String[] args) {
        Fileinformation fi;
        fi=new Fileinformation();
        fi.CheckFile();

}

}
```

OUTPUT:
```
        Enter  the name of a file with full path
        c:\user3\welcome\documents
        The file exists
        The file can be read
```

The file can be written
The file is executable
The size of the file in bytes is: 4096.00

RESULT:

Thus the java console application is developed to read the file and to check whether the file exists or not.