EXPNO:7	
DATE:13-09-19	# FILE INFORMATION APPLICATION

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.
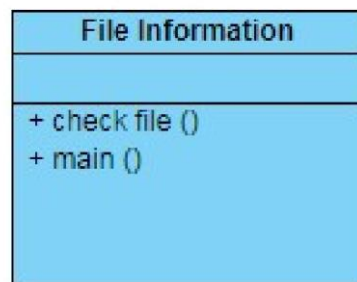
REQURIMENT:

-To know about afile name and how to read and how to access file.

-A package named file info

-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:
```
/*
* created by P.SAIRAM,eee-b,212217105044
*mail.id:pallasairam20@gmail.com
*
*/ 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.