

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.

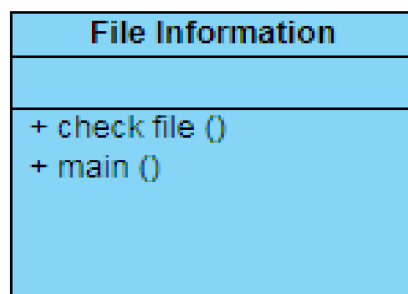
#### REQUIREMENT:

-To know about a file 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 N.Gurusaibabu
 * eee-b,
 * 212217105301
 */

package fileinfo; import
java.io.File; import
java.util.Scanner;
public class
Fileinformation {
    public void CheckFile()
    {
        Scanner sc=new Scanner(System.in);
        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.