

<b>Ex.No: 07</b>	<b>FILE INFORMATION APPLICATION</b>
<b>Date: 03.09.19</b>	

### **Aim:**

To develop a java console application to perform file information.

### **Requirement:**

To 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 writeable, the type of the file and the length of the file in bytes.

### **Algorithm:**

**Step 1:** Declare a package fileinfo.

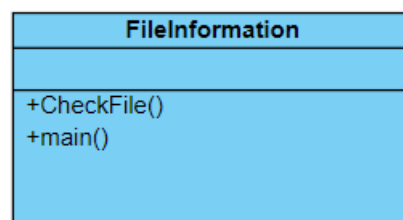
**Step 2:** Declare the class as FileInformation.

**Step 3:** Declare a constructor and add the data members.

**Step 4:** Calculate the size and other information.

**Step 5:** Display the result.

### **Class Diagram:**



## Program:

```
/*  
 * Program to perform FileInformation  
 * By Faizul  
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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);  
        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 be read.");
}
{
if(f.canWrite()==true)
{
    System.out.println("The file can be written.");
}
else
{
    System.out.println("The file cannot be written.");
}
if(f.canExecute()==true)
{
    System.out.println("The file type is executable");
}
else
{
    System.out.println("The file type is not executable");
}
{

    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:

D:\Magazine

The file exists.

The file can be read.

The file can be written.

The file type is executable

Length:8192

### **Result:**

Thus the java console application to perform File Information is verified with its output.