

EX: 07**FILE INFORMATION APPLICATION****03-09-19****Aim:**

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:

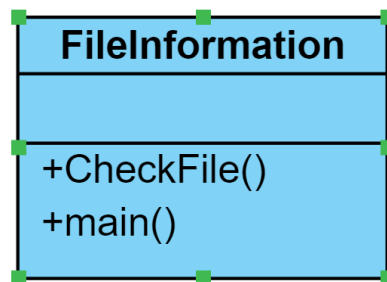
Step 1: Declare a package fileinfo.

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:****FileInformation.java**

```
/*developed by: Sanjai Kumar  
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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("Readable");
        if(f.canWrite()==true)
        {
            System.out.println("Writeable");
        }
        else
        {
            System.out.println("not writeable");
        }
    }
    else
    {
        System.out.println("not readable");
    }
    if(f.canExecute()==true)
    {
        System.out.println("executable type file");
    }
    else
    {
        System.out.println("non-executable");
    }
    System.out.println("length:"+f.length());
}
else
{
    System.out.println("notes is");
}
}

public static void main(String[]args) {
    FileInformation f1;
    f1=new FileInformation();
    f1.CheckFile();
}
}

```

Output:

Enter the name of a file with full path:
 /home/user2/EX07-5019.docx
 The file exists.
 Readable

Writeable
Non-executable
length: 48731

Result:

Thus the java console application that reads a file name from user and displays information is verified.