

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.

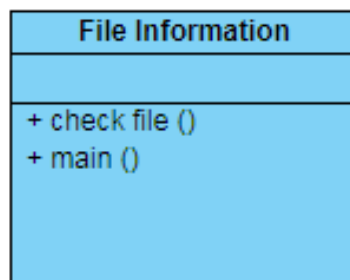
### REQUIREMENT:

- I. To know about a file 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:

```

/**
 *EXPERIMENT -07
 *developed by U.TAMILSELVAN
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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 executed.");
            }else
            {
                System.out.println("The file type is not
executed.");
            }
        }
        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:

[/home/user3/5058](#)

The file exists.

The file can be read.

The file can be written.

The file type is executed.

## RESULT:

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