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.
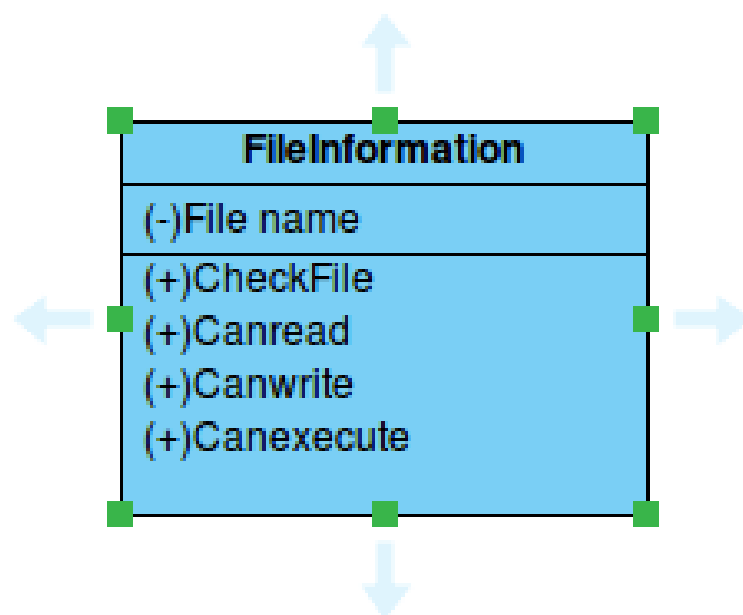
REQURIMENT:

   I. To know about afile 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:

```java
/*saveetha engineering college
 * developed by
 * suriya kumar
 * 212217105057
 *
 */
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 is readable");
			}
			else {
				System.out.println("The file is not readable");
			}
			if(f.canWrite()==true)
			{ System.out.println("The File is Writable ");
			}
			else {
				System.out.println("The file is not writable");
			}
				System.out.println("The length is"+f.length());
		}else

			System.out.println("The file does not exist.");
			if(f.canExecute()==true) {
				System.out.println("the file is excutable");
					}else {
						System.out.println("thefile is not excutable");
					}
			}
```

```
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/suri
The file exists.
The file is readable
The File is Writable
The length is4096
the file is excutable
```

RESULT:

Thus the program for the file information application is written and executed successfully.