

EXNO : 11

File operations in java.

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 writable, the type of file and the length of the file in bytes

FileInfo.java

```
import java.io.File;
import java.util.Scanner;
import java.io.FileNotFoundException;
class FileInfo {
    public static void main(String[] args) {
        // Creating file object
        try {
            File f0 = new File("D:FileOperationExample.txt");

            if (f0.exists()) {
                // Getting file name and type
                System.out.println("The name and type of the file is: " + f0.getName());

                // Getting path of the file
                System.out.println("The absolute path of the file is: " + f0.getAbsolutePath());

                // Checking whether the file is writable or not
                System.out.println("Is file writeable?: " + f0.canWrite());

                // Checking whether the file is readable or not and reading the content of file
                System.out.println("Is file readable " + f0.canRead());
                Scanner dataReader = new Scanner(f0);
                if (dataReader.hasNextLine()) {
                    String fileData = dataReader.nextLine();
                    System.out.println("Content of file is:" + fileData);
                }

                // Getting the length of the file in bytes
                System.out.println("The size of the file in bytes is: " + f0.length());
            } else {
                System.out.println("The file does not exist.");
            }
        }
    }
}
```

```
    }  
}  
    catch (FileNotFoundException exception) {  
        System.out.println("Unexpected error occurred!");  
        exception.printStackTrace();  
    }  
}  
}
```

OUTPUT:

I:\desktop\OOC second year\OOC LAB>javac FileInfo.java

I:\desktop\OOC second year\OOC LAB>java FileInfo

The name and type of the file is: FileOperationExample.txt

The absolute path of the file is: D:\\FileOperationExample.txt

Is file writeable?: true

Is file readable true

Content of file is:The Oxford College of Engineering

The size of the file in bytes is: 33