# Reading and Writing DATA from/to Text File in Java

## Example of reading a file line by line using Scanner class

```
1.  import java.io.*;
2.  import java.util.Scanner;
3.  public class ReadLineByLineExample2
4.  {
5.  public static void main(String args[])
6.  {
7.  try
8.  {
9.  //the file to be opened for reading
10. FileInputStream fis=new FileInputStream("Demo.txt");
11. Scanner sc=new Scanner(fis);    //file to be scanned
12. //returns true if there is another line to read
13. while(sc.hasNextLine())
14. {
15. System.out.println(sc.nextLine());    //returns the line that was skipped
16. }
17. sc.close();    //closes the scanner
18. }
19. catch(IOException e)
20. {
21. e.printStackTrace();
22. }
23. }
24. }
```

, 2011

## How to write into a file

## 1. FileOutputStream

```java
public static void writeFile1() throws IOException {
        File fout = new File("out.txt");
        FileOutputStream fos = new FileOutputStream(fout);

        BufferedWriter bw = new BufferedWriter(new OutputStreamWriter(fos));

        for (int i = 0; i < 10; i++) {
                bw.write("something");
                bw.newLine();
        }

        bw.close();
```

```
}
```

This example use FileOutputStream, instead you can use FileWriter or PrintWriter which is normally good enough for a text file operations.

## 2. FileWriter

```java
public static void writeFile2() throws IOException {
        FileWriter fw = new FileWriter("out.txt");

        for (int i = 0; i < 10; i++) {
                fw.write("something");
        }

        fw.close();
}
```