

How to read file in Java using BufferedReader

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In this tutorial we will see two ways to read a file using `BufferedReader`.

Method 1: Using `readLine()` method of `BufferedReader` class.

```
public String readLine() throws IOException
```

It reads a line of text.

Method 2: Using `read()` method

```
public int read() throws IOException
```

It reads a character of text. Since it returns an integer value, it needs to be explicitly cast as `char` for reading the content of file.

Complete example

Here I have two txt files `myfile.txt` and `myfile2.txt`. In order to demonstrate both the ways to read file. I'm reading first file using `readLine()` method while the second file is being read using `read()` method.

```
package beginnersbook.com;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;

public class ReadFileDemo {
    public static void main(String[] args) {

        BufferedReader br = null;
        BufferedReader br2 = null;
        try{
            br = new BufferedReader(new FileReader("B:\\myfile.txt"));

            //One way of reading the file
            System.out.println("Reading the file using readLine() method:");
            String contentLine = br.readLine();
            while (contentLine != null) {
                System.out.println(contentLine);
                contentLine = br.readLine();
            }

            br2 = new BufferedReader(new FileReader("B:\\myfile2.txt"));

            //Second way of reading the file
```

```

        System.out.println("Reading the file using read() method:");
        int num=0;
        char ch;
        while((num=br2.read()) != -1)
        {
            ch=(char)num;
            System.out.print(ch);
        }

    }
    catch (IOException ioe)
    {
        ioe.printStackTrace();
    }
    finally
    {
        try {
            if (br != null)
                br.close();
            if (br2 != null)
                br2.close();
        }
        catch (IOException ioe)
        {
            System.out.println("Error in closing the BufferedReader");
        }
    }
}
}

```