

# How To Convert InputStream To String In Java

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Here is the complete example of how to read and convert an `InputStream` to a `String`. The steps involved are:

- 1) I have initialized the `InputStream` after converting the file content to bytes using `getBytes()` method and then using the `ByteArrayInputStream` which contains an internal buffer that contains bytes that may be read from the stream.
- 2) Read the `InputStream` using `InputStreamReader`.
- 3) Read `InputStreamReader` using `BufferedReader`.
- 4) Appended each line to a `StringBuilder` object which has been read by `BufferedReader`.
- 5) Finally converted the `StringBuilder` to `String` using `toString()` method.

```
import java.io.BufferedReader;
import java.io.ByteArrayInputStream;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;

public class Example {
    public static void main(String[] args) throws IOException {
        InputStreamReader isr = null;
        BufferedReader br = null;
        InputStream is =
            new ByteArrayInputStream("This is the content of my file".getBytes());
        StringBuilder sb = new StringBuilder();
        String content;
        try {
            isr = new InputStreamReader(is);
            br = new BufferedReader(isr);
            while ((content = br.readLine()) != null) {
                sb.append(content);
            }
        } catch (IOException ioe) {
            System.out.println("IO Exception occurred");
            ioe.printStackTrace();
        } finally {
            isr.close();
            br.close();
        }
        String mystring = sb.toString();
        System.out.println(mystring);
    }
}
```

Output:

```
This is the content of my file
```