

Chapters 14 and 15 are about String and file processing. Your assignment combines a small set of both of those capabilities. Given a text file containing the text shown below, the program Assignment6.java will open the file, read its contents, substitute each "|" character with a newline, and output the results to a new file named Assignment6Results.txt. The test data is shown below.

The input file is a single very long line that wraps in the paragraph shown below. It will be posted as part of the assignment.

The output file contains an additional line stating "(This text processed by YOUR NAME HERE.)" Failure to include that vital line of text will cost 50 points. (And yes, we won't accept YOUR NAME HERE – it must match your real name.)

The Input file: Assignment6Input.txt

```
the sun did not shine.|it was too wet to play.|so we sat in the
house|all that cold, cold, wet day.||i sat there with sally.|we sat
there, we two.|and i said, 'how i wish|we had something to do!'|too
wet to go out|and too cold to play ball.|so we sat in the house.|we
did nothing at all.|–By Theodore Geisel aka Dr. Seuss
```

The output file: Assignment6Results.txt

```
the sun did not shine.
it was too wet to play.
so we sat in the house
all that cold, cold, wet day.

i sat there with sally.
we sat there, we two.
and i said, 'how i wish
we had something to do!'

too wet to go out
and too cold to play ball.
so we sat in the house.
we did nothing at all.
–By Theodore Geisel aka Dr. Seuss
(This text processed by YOUR NAME HERE.)
```

GRADING:

The total possible score for this program is 100 points.

The following point values will be deducted for the reasons stated:

-100 points	The program does not successfully compile from the command line.
-90 points	The program does not run from the command line without error or produces no output.
-70 points	The program compiles, runs, and crashes thereafter or produces no output.
-50 points	The program compiles, runs, reads the input file, and produces no output. OR DOES NOT OUTPUT THE "(This text processed by YOUR NAME HERE.)"
-25 points	The program compiles, runs, and produces the incorrect output. For example the two adjacent characters " " do not produce two newlines. Another example is that text from the input file is not in the output file.
-10 points	There are data formatting errors. Extraneous characters, such as an extra newline, tab characters, or other non-printable characters are considered as data formatting errors.
no deductions	The program compiles, runs, and generates the correct output.

Additional notes:

1. Submit the file Assignment6.java and the results file, Assignment6Results.txt when turning in your work.
2. In order for you to get ANY credit, the Assignment6.java file must compile directly from the command prompt. We will not have time to troubleshoot compile errors, run-time errors, or project configuration issues.