

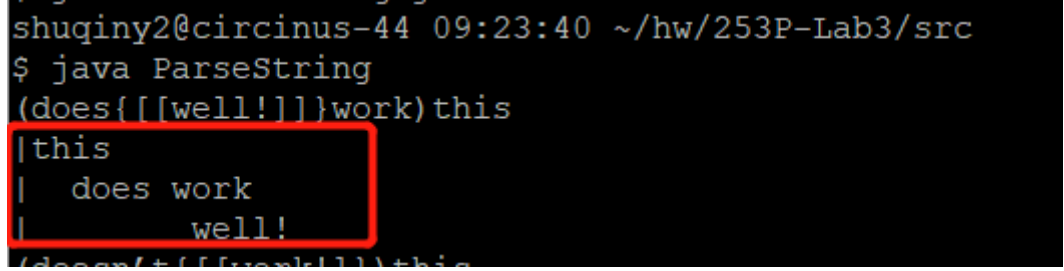
Test case1:

Input:

```
(does{[[well!]]}work)this
```

Expected output:

```
|this  
|  does work  
|      well!
```



```
shuqiny2@circinus-44 09:23:40 ~/hw/253P-Lab3/src  
$ java ParseString  
(does{[[well!]]}work)this  
|this  
|  does work  
|      well!  
(does{[[well!]]}work)this
```

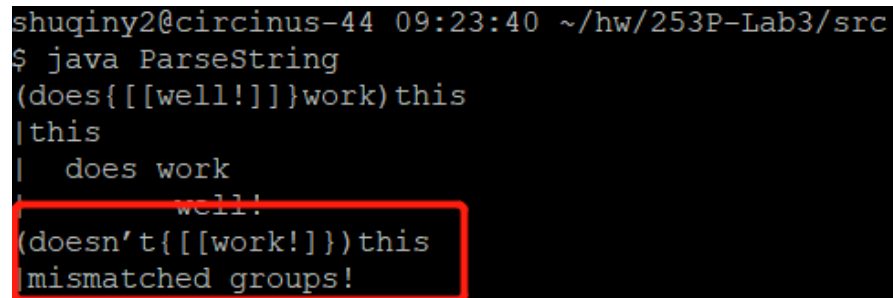
Test case2:

Input:

(doesn't{[[work!]])this

Expected output:

|mismatched groups!



```
shuqiny2@circinus-44 09:23:40 ~/hw/253P-Lab3/src
$ java ParseString
(does{[[well!]]}work)this
|this
|  does work
|      well!
(doesn't{[[work!]])this
mismatched groups!
```

Test case3:

Input:

```
{{[{}]][] (())}}
```

 // missing one `}`

Expected output:

```
|mismatched groups!
```

```
shuqiny2@circinus-44 09:30:26 ~/hw/253P-Lab3/src
$ java ParseString
{{[{}]][] (())}}
|mismatched groups!
```

Test case4:

Input:

```
( level11 {[level4] []{} level3) level2 }) {( )}level10 ()[]{} }
```

Expected output:

```
|level10
```

```
|  level11
```

```
|    level2
```

```
|      level3
```

```
|        level4
```

```
|Mismatched groups:
```

```
( level11 {[level4] []{} level3) level2 }) {( )}level10 ()[]{} }
```

```
|level10
```

```
|  level11
```

```
|    level2
```

```
|      level3
```

```
|        level4
```

Test case5:

Input:

```
for (int i = 0, a = 1, b = 2; i < (a + b); i++)  
{ System.out.println( array[i] ); }
```

Expected output:

|for

| int i = 0, a = 1, b = 2; i < ; i++ System.out.println ;

| a + b array

| i

```
for (int i = 0, a = 1, b = 2; i < (a + b); i++) { System.out.println( array[i] )  
; }  
|for  
| int i = 0, a = 1, b = 2; i < ; i++ System.out.println ;  
| a + b array  
| i
```