

California State University,
Monterey Bay

Week 3 – Lab
Stacks and Queues

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CST370

Design and Analysis of Algorithms

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Exercise Screen Shots

Test Run 1

```
C:\WINDOWS\system32\cmd.exe
Input file contents:
This part is the beginning. {This part is the footnote.} This part is the end.

Processed file contents:
This part is the beginning. This part is the end.

The following footNotes were found:
{This part is the footnote.}
Press any key to continue . . .
```

Explanation:

A run was made using the sample text provided (sample.txt) and the footnote was outputted.

Test Run 2

```
C:\WINDOWS\system32\cmd.exe
Input file contents:
Processed file contents:
No footNotes found
Press any key to continue . . .
```

Explanation

A run was made using sample2.txt file which was empty and the output reflected the empty file state.

Test Run 3

```
C:\WINDOWS\system32\cmd.exe
Input file contents:
This part is the beginning. there is no footnote. This part is the end.

Processed file contents:
This part is the beginning. there is no footnote. This part is the end.

No footNotes found
Press any key to continue . . .
```

Explanation

A run was made using sample3.txt file which had only 1 text line that did not contain a footnote and the output reflected the empty file state.

Test Run 4

```
Input file contents:
This part is the beginning. {This part is the footnote1.} This part is the end.
This part is the beginning. {This part is the footnote2.} The is more stuff. {Th
is part is the footnote3.} This part is the end.
This part is the beginning. {This part is the footnote4.}
This part is the beginning. {This part is the footnote5 that is illformed. This
part is the end.
This part is the beginning. This part is the footnote6 that is illformed.} This
part is the end.
{This part is the footnote7.} This part is the end.

Processed file contents:
This part is the beginning. This part is the end.
This part is the beginning. The is more stuff. This part is the end.
This part is the beginning.
This part is the beginning. {This part is the footnote5 that is illformed. This
part is the end.
This part is the beginning. This part is the footnote6 that is illformed.} This
part is the end.
This part is the end.

The following footNotes were found:
{This part is the footnote1.}
{This part is the footnote2.}
{This part is the footnote3.}
{This part is the footnote4.}
{This part is the footnote7.}
Press any key to continue . . .
```

Explanation:

A run was made using sample4.txt file which had several variations of footnotes, as follows:

- Standard text line that contained 1 footnote
- A text line that contained 2 footnotes
- A text line that contained 1 footnote at the end of the line.
- A text line that contained 1 ill-formed footnote that is missing the ending brace.
- A text line that contained 1 ill-formed footnote that is missing the beginning brace.
- A text line that contained 1 footnote at the beginning of the line.