PA02 - Recursion

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1.1 File List

Here is a list of all documented files with brief descriptions:

2 File Documentation

2.1 PA02.cpp File Reference

Implementation file for the Recursion project.

```
#include <iostream>
#include <fstream>
```

Functions

- int kSmall (int k, int anArray[ ], int first, int last)

    kSmall function
- void logToFile (int anArray[ ], int first, int last, int pivotIndex)

    logToFile function
- int **main** ()

2.1.1 Detailed Description

Implementation file for the Recursion project.

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Initially created by Shehryar Khattak for CS302 Spring 2016 class, used to learn recursion

Version

1.0

2.1.2 Function Documentation

2.1.2.1 kSmall()

```
int kSmall (
            int k,
            int anArray[],
            int first,
            int last )
```

kSmall function

recursively finds the kth smallest number in a supplied array.

2.1.2.2 logToFile()

```
void logToFile (
            int anArray[],
            int first,
            int last,
            int pivotIndex )
```

logToFile function

used to append a log to the log.txt file, as needed by project description.