

```
//Purpose: take input from a file and output the fraction value of the operation
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//CS101-02
//11/23/14
```

```
import java.util.*;
import java.io.*;
```

```
public class FractionMath
{
    /*
        Algorithm for main(args)
    main(args)
        File inputFile <-- new File(args[0])
        Scanner input <-- new Scanner(inputFile)

        File outputFile <-- new File(args[1])
        FileWriter writerOutput <-- new FileWriter(outputFile)
        String currentLine <-- new String(input.nextLine())

        writerOutput.write("Fraction Math Version 2")
        writerOutput.write("Written by Caspian Peavyhouse")
        writerOutput.write("CS101-02")
```

```
    do
        currentLine <-- currentLine.toLowerCase()
        if currentLine contains("quit")
            break
        else
            readLine(currentLine, writerOutput)
            currentLine <-- input.nextLine()
```

```
    while (input.hasNextLine())
```

```
*/
```

```
/*
    Data Table for main
```

Variable or Constant	Purpose
args	parameter for main

```
*/
```

```
public static void main(String [] args)throws Exception
{
    File inputFile = new File(args[0]);
    Scanner input = new Scanner(inputFile);

    File outputFile = new File(args[1]);
    FileWriter writerOutput = new FileWriter(outputFile);
    String currentLine = new String(input.nextLine());

    writerOutput.write("FractionMath Version 2\n");
    writerOutput.write("Written by Caspian Peavyhouse\n");
    writerOutput.write("CS101-02\n\n");

    do
    {
        currentLine = currentLine.toLowerCase();
        if (currentLine.contains("quit"))
        {
            break;
        }
    }
```

```

        else
        {
            readLine(currentLine, writerOutput);
        }
        currentLine = input.nextLine();
    } while (input.hasNextLine());

    writerOutput.close();

} //main(args)

/*
readLine(String currentLine)

    writerOutput write(currentLine) + new line
*/
/*
    Data Table for checkLine
Variable or Constant      Purpose
-----
args                       parameter for readLine
*/
private static void readLine(String currentLine, FileWriter writerOutput) throws Exception
{
    writerOutput.write(currentLine + "\n");

} //checkLine

} //class FractionMath

```