FractionMath Version 3 UML
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CS101-02

Legend

(+) FractionMath	
(+) main()	
(-)readLine(currentLine:String, writerOutput:FileWriter)	

Legend	
(+) public	
(-) private	
( ) package	
(#) protected	

Data Table for main

Algorithms:
main()

```
        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 3")
        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())
        writerOutput.close()

readLine(String currentLine, FileWriter writerOutput)
        writerOutput write(currentLine + \n)

        currentLine = currentLine.replace('/', ' ')
        Scanner stringScan <-- new Scanner(currentLine)
        Scanner numberScan <-- new Scanner(currentLine)
        int firstNum <-- numberScan.nextInt()
        int secondNum <-- numberScan.nextInt()
```

```
String currentString <-- new String(stringScan.next())

Fraction currentFraction <-- new Fraction(firstNum, secondNum)
Fraction nextFraction <-- new Fraction()

while (stringScan.hasNext())

        if (currentString.equals("add"))

        else if (currentString.equals("sub"))

        else if (currentString.equals("mul"))

        else if (currentString.equals("div"))

        else if (currentString.equals("rec"))

         currentString <-- stringScan.next()
```