

```

import java.util.*;
import java.lang.*;
import java.io.*;

public class JustRandomNumbers
{
    public static void main( String[] args )
    {
        int k, num;
        int numero;
        String fileName = "numbers.txt";
        FileOutputStream outFile = new FileOutputStream( fileName );
        //this loop generates 50 random integers between 0 and 100 inclusive
        for( k=0; k<50; k++ )
        {
            num = (int)(Math.random()*41 + 60);
            if( k%10 == 0 && k!=0 ) outFile.writeEndOfLine();
            outFile.writeInt( num );//writes numbers to numbers.txt
            outFile.writeString( " " );
        }
        outFile.close();

        FileOutputStream out = new FileOutputStream( fileName, true );
        FileInputStream inFile = new FileInputStream( fileName );
        k = 0;
        int total = 0;
        if( inFile.fileFound() )
        {
            try
            {
                while( !inFile.eof() )
                {
                    numero = inFile.readInt();
                    if( k%10 == 0 && k!=0 ) System.out.println();
                    System.out.print( numero + " " );
                    total += numero;
                    k++;
                }
            }catch( Exception n ){ System.out.println( "End of file" ); }
            out.writeEndOfLine();
            out.writeString( "\n\n" + "The average of these numbers is " );
            out.writeDouble( ((double)total/k) );
            System.out.print( "\n\n" + "The average of these numbers is " +
                ((double)total/k) );
        }
        out.close();
    }
}

```

“numbers.txt”

```

74  79  61  89  85  89  87  75  79  62
64  79  78  87  98  65  71  77  76  84
79  67  60  85  69  77  67  67  75  74
67  73  66  68  80  67  73  60  74  90
93  66  64  73  85  64  67  87  97  94

```

The average of these numbers is 75.74

OUTPUT

74 79 61 89 85 89 87 75 79 62
64 79 78 87 98 65 71 77 76 84
79 67 60 85 69 77 67 67 75 74
67 73 66 68 80 67 73 60 74 90
93 66 64 73 85 64 67 87 97 94 Attempt to read beyond the end of the file
End of file

The average of these numbers is 75.74