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//SECTION: 004

**INITIAL PROGRAM**

// Copy the numbers input to the output

import java.util.\* ; // scanner class

public class Copy

//Declares a public class called Copy

{

public static void main( String[] args )

//Main method for Copy class

{

Scanner stdin = new Scanner( System.in );

//Initializes the Scanner to read in numerical data called stdin

System.out.println("Ready to copy numbers!\nEnter EOT when done");

//Prompts user to enter values and gives intructions

double num;

//Instantiates variable num as a Double

while(stdin.hasNext())

//While loop that continues until there is no preceeding number after stdin

{

num = stdin.nextDouble();

//Changes input stdin to double and gives that value to variable num

System.out.format( "%.2f\n", num );

//Formats num to the given threshold

}

System.out.println("Goodbye");

//Print goodbye message after while loop is executed

System.exit(0);

//Confirms that code runs successfully

}

}

**INITIAL OUTPUT**

----jGRASP exec: java Copys

Ready to copy numbers!

Enter EOT when done

-122

-122.00

3.0

3.00

11.0

11.00

-4.0

-4.00

6.0

6.00

888.0

888.00

0.0

0.00

EOT

Exception in thread "main" java.util.InputMismatchException

at java.util.Scanner.throwFor(Scanner.java:864)

at java.util.Scanner.next(Scanner.java:1485)

at java.util.Scanner.nextDouble(Scanner.java:2413)

at Copys.main(Copys.java:11)

----jGRASP wedge: exit code for process is 1.

----jGRASP: operation complete.

**FINAL PROGRAM**

//Tejveer Singh

//ts355

//Section 004

import java.util.\* ; // scanner class

public class Copy

{

public static void main( String[] args )

{

Scanner stdin = new Scanner( System.in );

System.out.println( "Ready to copy numbers!\nEnter 0 when done" ) ;

double num;

int n = 0;

double total = 0;

while(stdin.hasNext())

{

n += 1;

num = stdin.nextDouble();

total += num;

System.out.format( "%.2f\n", num );

if(num == 0)

{

n -= 1;

System.out.format("Count: = %d\n",n);

System.out.format("Total: %.2f\n", total);

System.out.format("Average: %.2f\n", total/n);

System.out.println("\nGoodbye!") ;

break;

}

}

System.exit( 0 ) ;

}

}

**FINAL OUTPUT**

----jGRASP exec: java Copy

Ready to copy numbers!

Enter 0 when done

2

2.00

3

3.00

-4

-4.00

0

0.00

Count: = 3

Total: 1.00

Average: 0.33

Goodbye!

----jGRASP: operation complete.