

SUBMIT REPORT

User: aboutams
Name: Mohamed S Aboutabl
Course: cs139a
Assignment: pt1
Version: 1
Date: Thu Sep 16 04:08:09 PM 2004
Files: RodConverter.java

PDF-spec: 90/99
Honor Pledge: I have NOT received unauthorized assistance

Compiling ...

j139c RodConverter.java

/aux/bin/progtst -C -v -f test-report pt1

*** PROGRAM TEST ***

Assignment: pt1

Test Dir: /fs/home-f/aboutams/cs139.d/assign.d/pt1.d

Test Cnt: 5

Test 01: (pt1 <tst-01)

Exec prog...; output: wrong; FAILURE.

*** TEST RESULT FOR 'pt1': FAILED test(s) 01 ***

```
<--- Test 01: input data follows (WITHOUT line numbers) --->
0<--- Test 01: correct output follows (WITH line numbers)---->
 1
 2                      Rod Converter
 3
 4  Enter the number of rods to convert:
 5  Number of rods: 0.00
 6
 7  Number of yards:      0.00
 8  Number of miles:     0.00
 9
10                      Exiting program Rod Converter
<--- Test 01: your incorrect output follows (WITH line numbers)---->
 1
 2                      Rod Converter
 3
 4  Enter the number of rods to convert:
 5  Number of rods: 0.0
 6
 7  Number of yards:      0.00
 8  Number of miles:     0.00
 9
10                      Exiting program Rod Converter
<--- First difference after line 5, char 19: Expected='0', Observed='\n'. --->
<--- Test 01: model err-output is empty --->
<--- Test 01: your err-output is empty --->
```

```
1 // *****
2 // Name:      Mohamed Aboutabl
3 // Date:      9/15/2004
4 // Assignment: Programming Assignment #1 RodConverter.java
5 //
6 // *****
7 // References & Acknowledgements: I received no outside help
8 //
9 // *****
10 // Name of the class: RodConverter
11 // Purpose of the class: Convert rods to yards and miles
12 // *****
13
14 import cs1.Keyboard ;
15 import java.text.DecimalFormat ;
16
17
18 public class RodConverter
19 {
20     /**-----
21     // Read in a distance in rods and display the equivalent
22     // yards and miles
23     // -----*/
24     public static void main( String[] args)
25     {
26         // Variables Declarations
27         double rods, // number of rods to convert
28                 yards , // equivalent yards
29                 miles ; // equivalent miles
30
31         final double YARDS_PER_ROD = 5.5 , // Conversion constants
32                 YARDS_PER_MILE = 1760.0 ;
33
34         DecimalFormat twoDecimals;
35
36         // Print the header
37         System.out.println("\n\t\t\tRod Converter\n");
38
39         // Get the number of rods to convert then echo the values
40         System.out.print("Enter the number of rods to convert: ");
41         rods = Keyboard.readDouble() ;
42         System.out.println("\nNumber of rods:\t" + rods );
43
44         // Convert to yards and miles
45         yards = rods * YARDS_PER_ROD ;
46         miles = yards / YARDS_PER_MILE ;
47
48
49         // Format and display the results on the screen
50         twoDecimals = new DecimalFormat("0.00") ;
51
52         System.out.println("\nNumber of yards:\t" + twoDecimals.format(yards) );
53         System.out.println("Number of miles:\t" + twoDecimals.format(miles) );
54
55         // Display the exit message
56         System.out.println("\n\t\tExiting program Rod Converter");
57
58     }
59 }
```