

SUBMIT REPORT

User: aboutams
Name: Mohamed S Aboutabl
Course: cs139a
Assignment: pt1
Version: 2
Date: Thu Sep 16 04:14:48 PM 2004
Files: RodConverter.java

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

Compiling ...

jl39c 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: right; SUCCESS.

Test 02: (pt1 <tst-02)

Exec prog...; output: right; SUCCESS.

Test 03: (pt1 <tst-03)

Exec prog...; output: right; SUCCESS.

Test 04: (pt1 <tst-04)

Exec prog...; output: right; SUCCESS.

Test 05: (pt1 <tst-05)

Exec prog...; output: right; SUCCESS.

*** TEST RESULT FOR 'pt1': SUCCESS ***

```
<--- Test 01: model err-output is empty --->  
<--- Test 01: your err-output is empty --->  
<--- Test 02: model err-output is empty --->  
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<--- Test 03: model err-output is empty --->  
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<--- Test 04: model err-output is empty --->  
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<--- Test 05: model err-output is empty --->  
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```

```
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 java.text.DecimalFormat ;
15 import cs1.Keyboard ;
16
17 public class RodConverter
18 {
19     /**-----
20     // Read in a distance in rods and display the equivalent
21     // yards and miles
22     // -----*/
23     public static void main( String[] args)
24     {
25         // Variables Declarations
26         double rods, // number of rods to convert
27             yards , // equivalent yards
28             miles ; // equivalent miles
29
30         final double YARDS_PER_ROD = 5.5 , // Conversion constants
31             YARDS_PER_MILE = 1760.0 ;
32
33         DecimalFormat twoDecimals;
34         twoDecimals = new DecimalFormat("0.00") ;
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" + twoDecimals.format(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
51         System.out.println("\nNumber of yards:\t" + twoDecimals.format(yards) );
52         System.out.println("Number of miles:\t" + twoDecimals.format(miles) );
53
54         // Display the exit message
55         System.out.println("\n\t\tExiting program Rod Converter");
56
57     }
58 }
```