

Assignment02 Output  
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z1861700@turing: ~  
z1861700@turing:~$ java TestLine  
Draw a line from x of 10 and y of 10  
to x of 100 and y of 100  
SUCCESS  
  
About to change values in l1  
SUCCESS  
  
Draw a line from x of 5 and y of 5  
to x of 100 and y of 100  
SUCCESS  
  
About to try changing x1 in l1 to an illegal value  
EXCEPTION: My try catch caught a generic exception in a set method for a bad  
value of x1 for an existing line. This line can still be used but the bad v  
alue was not set.  
java.lang.Exception: Value 3000 Was out of Bounds  
  
Draw a line from x of 5 and y of 5  
to x of 100 and y of 100  
SUCCESS  
  
About to create l2  
SUCCESS  
  
Draw a line from x of 100 and y of 100  
to x of 400 and y of 400  
SUCCESS  
  
About to set l2's y2 to a new valid value  
SUCCESS  
  
Draw a line from x of 100 and y of 100  
to x of 400 and y of 479  
SUCCESS  
  
About to test the getLength method:  
Length of l1 is: 134.350288  
Length of l2 is: 483.364252  
  
About to test the getAngle method:  
Angle of l1 is: 0.785398 radians  
Angle of l2 is: 0.901225 radians  
  
About to construct two TwoDPoints with:  
X1 = 2  
X2 = 10  
Y1 = 8  
Y2 = 20  
SUCCESS  
  
About to send TwoDPoints to Line constructor  
SUCCESS  
  
About to try making a line l4 with an invalid y1 value  
EXCEPTION: This try catch caught a Generic Exception for a bad constructor -  
Failed to create a line with 4 invalid values - leaving with rc of 88  
z1861700@turing:~$
```