Case test of assignment 4 part 2 (console output):

No same serial number can be found.

The number of iteration performed is 1.

No same serial number can be found.

The number of iteration performed is 2.

No same serial number can be found.

The number of iteration performed is 3.

No same serial number can be found.

The number of iteration performed is 4.

No same serial number can be found.

The number of iteration performed is 5.

No same serial number can be found.

The number of iteration performed is 6.

No same serial number can be found.

The number of iteration performed is 7.

No same serial number can be found.

The number of iteration performed is 2.

Same serial number is found, here is the information:

The number of iteration performed is 2.

[2887685: Motorola 569.28 2010]

The number of iteration performed is 8.

No same serial number can be found.

The number of iteration performed is 9.

No same serial number can be found.

The number of iteration performed is 10.

No same serial number can be found.

The number of iteration performed is 11.

No same serial number can be found.

The number of iteration performed is 12.

No same serial number can be found.

The number of iteration performed is 13.

No same serial number can be found.

The number of iteration performed is 14.

No same serial number can be found.

The number of iteration performed is 15.

No same serial number can be found.

The number of iteration performed is 16.

No same serial number can be found.

The number of iteration performed is 4.

Same serial number is found, here is the information:

The number of iteration performed is 4.

[8888902: Samsung 410.35 2016]

The number of iteration performed is 17.

No same serial number can be found.

The number of iteration performed is 18.

No same serial number can be found.

The number of iteration performed is 19.

No same serial number can be found.

The number of iteration performed is 7.

Same serial number is found, here is the information:

The number of iteration performed is 7.

[8888902: Samsung 410.35 2016]

The number of iteration performed is 20.

No same serial number can be found.

The number of iteration performed is 21.

No same serial number can be found.

The number of iteration performed is 22.

No same serial number can be found.

==============================================================================

The current size of the list is 23. Here are the contents of the list:

==============================================================================

[1119000: SonyEricsson 347.94 2009] --->

[2389076: BlackBerry 564.22 2010] --->

[5909887: Apple 327.99 2015] --->

[9873330: Nokia 677.9 2010] --->

[5555902: SonyEricsson 177.11 2007] --->

[8006832: Motorola 423.22 2008] --->

[6987612: HTC 577.25 2009] --->

[2999900: Siemens 457.28 2006] --->

[7333403: BenQ 659.0 2009] --->

[5890779: Motorola 457.28 2007] --->

[8888902: Samsung 410.35 2016] --->

[5000882: Siemens 277.27 2009] --->

[1119002: Motorola 457.28 2008] --->

[9675654: Nokia 388.0 2009] --->

[6699001: Lenovo 237.29 2012] --->

[2887460: Siemens 457.28 2009] --->

[7559090: Pansonic 290.9 2005] --->

[2887685: Motorola 569.28 2010] --->

[89076: Sharp 564.22 2009] --->

[1989000: Nokia 237.24 2006] --->

[4900088: LG 232.99 2008] --->

[2787985: Acer 572.2 2013] --->

[3890909: Samsung 457.28 2015] --->

Please enter a serial number that you want to search:

000000

The number of iteration performed is 23.

No same serial number can be found.

Do you want to search another serial number? Y/N

y

Please enter a serial number that you want to search:

2787985

The number of iteration performed is 21.

Same serial number is found, here is the information:

The number of iteration performed is 21.

[2787985: Acer 572.2 2013]

Do you want to search another serial number? Y/N

n

Test of insertAtIndex method:

1.Test if index is bigger than the size of list.

==============================================================================

Out of the bound of current list!

The information has not been inserted.

==============================================================================

2.Test if index is 0 (special case).

3.Test of general case.

The result of above operations.

==============================================================================

The current size of the list is 25. Here are the contents of the list:

==============================================================================

[7684999: Blackberry 460.98 2010] --->

[1119000: SonyEricsson 347.94 2009] --->

[2389076: BlackBerry 564.22 2010] --->

[5909887: Apple 327.99 2015] --->

[9873330: Nokia 677.9 2010] --->

[7684999: Blackberry 460.98 2010] --->

[5555902: SonyEricsson 177.11 2007] --->

[8006832: Motorola 423.22 2008] --->

[6987612: HTC 577.25 2009] --->

[2999900: Siemens 457.28 2006] --->

[7333403: BenQ 659.0 2009] --->

[5890779: Motorola 457.28 2007] --->

[8888902: Samsung 410.35 2016] --->

[5000882: Siemens 277.27 2009] --->

[1119002: Motorola 457.28 2008] --->

[9675654: Nokia 388.0 2009] --->

[6699001: Lenovo 237.29 2012] --->

[2887460: Siemens 457.28 2009] --->

[7559090: Pansonic 290.9 2005] --->

[2887685: Motorola 569.28 2010] --->

[89076: Sharp 564.22 2009] --->

[1989000: Nokia 237.24 2006] --->

[4900088: LG 232.99 2008] --->

[2787985: Acer 572.2 2013] --->

[3890909: Samsung 457.28 2015] --->

Test of deleteFromIndex method.

1.Test if index is negative.

==============================================================================

Out of the bound of current list!

No information has been deleted.

==============================================================================

2.Test of general case.

3.Test if index is 0 (special case).

The result of above operations.

==============================================================================

The current size of the list is 23. Here are the contents of the list:

==============================================================================

[1119000: SonyEricsson 347.94 2009] --->

[2389076: BlackBerry 564.22 2010] --->

[5909887: Apple 327.99 2015] --->

[9873330: Nokia 677.9 2010] --->

[5555902: SonyEricsson 177.11 2007] --->

[8006832: Motorola 423.22 2008] --->

[6987612: HTC 577.25 2009] --->

[2999900: Siemens 457.28 2006] --->

[7333403: BenQ 659.0 2009] --->

[5890779: Motorola 457.28 2007] --->

[8888902: Samsung 410.35 2016] --->

[5000882: Siemens 277.27 2009] --->

[1119002: Motorola 457.28 2008] --->

[9675654: Nokia 388.0 2009] --->

[6699001: Lenovo 237.29 2012] --->

[2887460: Siemens 457.28 2009] --->

[7559090: Pansonic 290.9 2005] --->

[2887685: Motorola 569.28 2010] --->

[89076: Sharp 564.22 2009] --->

[1989000: Nokia 237.24 2006] --->

[4900088: LG 232.99 2008] --->

[2787985: Acer 572.2 2013] --->

[3890909: Samsung 457.28 2015] --->

4. Test on an empty list.

==============================================================================

Out of the bound of current list!

No information has been deleted.

==============================================================================

Test of repalceAtIndex method.

1. Test if index is 0 (not a special case)

2.test of general case

The result of above operations.

==============================================================================

The current size of the list is 23. Here are the contents of the list:

==============================================================================

[7684999: Blackberry 460.98 2010] --->

[2389076: BlackBerry 564.22 2010] --->

[7684999: Blackberry 460.98 2010] --->

[9873330: Nokia 677.9 2010] --->

[5555902: SonyEricsson 177.11 2007] --->

[8006832: Motorola 423.22 2008] --->

[6987612: HTC 577.25 2009] --->

[2999900: Siemens 457.28 2006] --->

[7333403: BenQ 659.0 2009] --->

[5890779: Motorola 457.28 2007] --->

[8888902: Samsung 410.35 2016] --->

[5000882: Siemens 277.27 2009] --->

[1119002: Motorola 457.28 2008] --->

[9675654: Nokia 388.0 2009] --->

[6699001: Lenovo 237.29 2012] --->

[2887460: Siemens 457.28 2009] --->

[7559090: Pansonic 290.9 2005] --->

[2887685: Motorola 569.28 2010] --->

[89076: Sharp 564.22 2009] --->

[1989000: Nokia 237.24 2006] --->

[4900088: LG 232.99 2008] --->

[2787985: Acer 572.2 2013] --->

[3890909: Samsung 457.28 2015] --->

3. Test on an empty list.

==============================================================================

There is nothing to display, the list is empty.

==============================================================================

Test of copy constructor of CellList class

==============================================================================

Please enter the new serial number.

2143215

Please enter the new serial number.

43214321

Please enter the new serial number.

3215435

6Please enter the new serial number.

53666

Please enter the new serial number.

453254

Please enter the new serial number.

657765

Please enter the new serial number.

2425426

Please enter the new serial number.

67657

Please enter the new serial number.

64254

Please enter the new serial number.

54326764

Please enter the new serial number.

4254326

Please enter the new serial number.

4326548

Please enter the new serial number.

6543876

Please enter the new serial number.

657426

Please enter the new serial number.

896767

Please enter the new serial number.

4654378

Please enter the new serial number.

24546537

Please enter the new serial number.

2543276548

Please enter the new serial number.

254325

Please enter the new serial number.

765886

Please enter the new serial number.

5436565

Please enter the new serial number.

3768875

Please enter the new serial number.

7654759

==============================================================================

The current size of the list is 23. Here are the contents of the list:

==============================================================================

[2143215: Blackberry 460.98 2010] --->

[43214321: BlackBerry 564.22 2010] --->

[3215435: Blackberry 460.98 2010] --->

[653666: Nokia 677.9 2010] --->

[453254: SonyEricsson 177.11 2007] --->

[657765: Motorola 423.22 2008] --->

[2425426: HTC 577.25 2009] --->

[67657: Siemens 457.28 2006] --->

[64254: BenQ 659.0 2009] --->

[54326764: Motorola 457.28 2007] --->

[4254326: Samsung 410.35 2016] --->

[4326548: Siemens 277.27 2009] --->

[6543876: Motorola 457.28 2008] --->

[657426: Nokia 388.0 2009] --->

[896767: Lenovo 237.29 2012] --->

[4654378: Siemens 457.28 2009] --->

[24546537: Pansonic 290.9 2005] --->

[2543276548: Motorola 569.28 2010] --->

[254325: Sharp 564.22 2009] --->

[765886: Nokia 237.24 2006] --->

[5436565: LG 232.99 2008] --->

[3768875: Acer 572.2 2013] --->

[7654759: Samsung 457.28 2015] --->

Test of equals method of CellList class

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ListA and ListC are equal by equals method.

ListB and ListC are not equal by equals method.