Task A

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| Test Case | Output | Tested? |
| SupplyOrder s = new SupplyOrder("R", "Orange Inc.", "C2", "10/22/2003", 7);  SupplyOrder s1 = new SupplyOrder("R", "Orange Inc.", "C2", "10/22/2004", 7);  System.out.println(s.compareDate(s1)); | -1 | Yes |
| SupplyOrder s = new SupplyOrder("R", "Orange Inc.", "C2", "9/22/2004", 7);  RepeatedOrder s1 = new RepeatedOrder("R", "Orange Inc.", "C2", "10/22/2004", 7, 30,"12/8/2003");  System.out.println(s.compareDate(s1)); | -1 | Yes |
| SupplyOrder s = new SupplyOrder("R", "Orange Inc.", "C2", "9/22/2004", 7);  RepeatedOrder s1 = new RepeatedOrder("R", "Orange Inc.", "C2", "10/22/2001", 7, 30,"12/8/2003");  System.out.println(s.compareDate(s1)); | 1 | Yes |
| SupplyOrder s = new SupplyOrder("R", "Orange Inc.", "C2", "9/22/2004", 7);  RepeatedOrder s1 = new RepeatedOrder("R", "Orange Inc.", "C2", "9/22/2004", 7, 30,"12/8/2003");  System.out.println(s.compareDate(s1)); | 0 | Yes |
| SupplyOrder s = new SupplyOrder("R", "Orange Inc.", "C2", "9/22/2004", 7);  RepeatedOrder s1 = new RepeatedOrder("R", "Orange Inc.", "C2", "9/22/2004", 7, 30,"12/8/2003");  System.out.println(s.toString());  System.out.println(s1.toString()); | Order ID: 0  Type: R  Customer ID: Orange Inc.  Product ID: C2  Date: 9/22/2004  Amount: 7  Order ID: 1  Type: R  Customer ID: Orange Inc.  Product ID: C2  Date: 9/22/2004  Amount: 7  Period: 30  End Date: 12/8/2003 | Yes |

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| Test Case | Output | Tested? |
| “A” , then  “R,Orange Inc.,C2,10/22/2003,7,30,12/8/2003” | A  Type order:  R,Orange Inc.,C2,10/22/2003,7,30,12/8/2003  Added Order:  Order ID: 1008  Type: R  Customer ID: Orange Inc.  Product ID: C2  Date: 10/22/2003  Amount: 7  Period: 30  End Date: 12/8/2003  Current Size: 1007 | Yes |
| “D” then “1002” | D  Type Order ID:  1002  Removed:  Order ID: 1002  Type: R  Customer ID: Giggle Industries  Product ID: C2  Date: 3/13/2005  Amount: 7  Period: 1  End Date: 3/27/2005  New List Size: 1006 | Yes |
| “L” then “Orange Inc.” | . . .  Order ID: 709  Type: O  Customer ID: Orange Inc.  Product ID: A2  Date: 10/21/2009  Amount: 4  Order ID: 452  Type: O  Customer ID: Orange Inc.  Product ID: A2  Date: 11/13/2009  Amount: 6  Order ID: 695  Type: R  Customer ID: Orange Inc.  Product ID: A2  Date: 11/21/2009  Amount: 3  Period: 30  End Date: 12/27/2009  Order ID: 279  Type: R  Customer ID: Orange Inc.  Product ID: A2  Date: 12/3/2009  Amount: 9  Period: 30  End Date: 12/29/2009 | Yes, the list was sorted in increasing date order |
| “Q” | Quitting Program  C:\HW4> | Yes |

Part A UML Diagram:

