```
 1  *************************************************************************
 2  * PROGRAMMED BY : Nick Reardon and Danin Namiranian
 3  * CLASS          : CS1D
 4  * SECTION        : MW - 2:30p
 5  * Lab #1         : Templates
 6  *************************************************************************
 7
 8                            Lab #1 - Templates
 9
10    This program will generate 15 random 3 digit numbers and
11    store them in a vector. Then it will:
12      - Sort the numbers
13      - Reverse the digits in each number
14          - Store the reversed numbers in a new vector
15          - Find the some of the 3 digits of each numbers
16          - Store the sums in a new vector
17      - Print all 3 vectors
18
19        Notes:
20          - Numbers less than 100, will display with
21            leading zeroes (eg. 009, rather than just 9)
22          - Sums will be displayed associated with the
23            original number
24
25  *************************************************************************
26
27    ** Populating with random  numbers
28
29    ** Sorting vectors
30
31    ** Reversing digits and storing in new vector
32
33    ** Summing the digits and storing in new vector
34
35  Original   Reversed
36  103        301        Sum of the digits of 103 is 4
37  185        581        Sum of the digits of 185 is 14
38  271        172        Sum of the digits of 271 is 10
39  321        123        Sum of the digits of 321 is 6
40  370        073        Sum of the digits of 370 is 10
41  377        773        Sum of the digits of 377 is 17
42  467        764        Sum of the digits of 467 is 17
43  522        225        Sum of the digits of 522 is 9
44  640        046        Sum of the digits of 640 is 10
45  642        246        Sum of the digits of 642 is 12
46  647        746        Sum of the digits of 647 is 17
47  656        656        Sum of the digits of 656 is 17
48  816        618        Sum of the digits of 816 is 15
49  961        169        Sum of the digits of 961 is 16
50  994        499        Sum of the digits of 994 is 22
51  Press any key to continue . . .
52
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