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1 "/Volumes/GoogleDrive/My Drive/UMBC Semesters/Spring 2021/Data Struct/  
  Projects/Proj1/cmake-build-debug/Proj1"  
2  
3 Test case: Buffer class: Full and Empty:  
4     Test passed!  
5  
6 Test case: Buffer class: Inserting/removing 1 data item:  
7     Test passed!  
8  
9 Test case: Buffer class: Inserting/removing half data size:  
10    Test passed!  
11  
12 Test case: Buffer class: Inserting/removing full data size:  
13    Test passed!  
14  
15 Test case: Buffer class: Throwing exception while inserting in full buffer:  
16    Test passed!  
17  
18 Test case: Buffer class: Throwing exception while removing in empty buffer:  
19    Test passed!  
20  
21 Test case: Buffer class: Copy an empty buffer:  
22    Test passed!  
23  
24 Test case: Buffer class: Copy a normal buffer:  
25    Test passed!  
26  
27 Test case: Buffer class: Copy constructor, negative buffer size:  
28    Test passed!
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29
30 Test case: Buffer class: assignment operator a normal buffer:
31     Test passed!
32
33 Test case: Buffer class: assignment operator, negative buffer size:
34     Test passed!
35
36 Test case: Buffer List class: Inserting/removing 1 data item:
37     Test passed!
38
39 Test case: Buffer List class: Inserting/removing half data size:
40     Test passed!
41
42 Test case: Buffer List class: Inserting/removing a lot of data size:
43     Test passed!
44
45 Test case: Buffer List class: Throwing exception while removing in empty
    buffer:
46     Test passed!
47
48 Test case: Buffer List class: Copy an empty buffer:
49     Test passed!
50
51 Test case: Buffer List class: Copy an empty buffer:
52     Test passed!
53
54 Test case: Buffer List class: Copy an negative buffer:
55     Test passed!
56
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57 Test case: Buffer List class: Copy an empty buffer:
58     Test passed!
59
60 Test case: Buffer List class: Copy an empty buffer:
61     Test passed!
62
63 Test case: Buffer List class: Copy an empty buffer:
64     Test passed!
65
66 Measuring the efficiency of insertion functionality:
67 Inserting 100000 members took 1831 clock ticks (0.001831 seconds)!
68 Inserting 200000 members took 3885 clock ticks (0.003885 seconds)!
69 Inserting 400000 members took 7036 clock ticks (0.007036 seconds)!
70 Inserting 800000 members took 14102 clock ticks (0.014102 seconds)!
71
72 Here is an example of a linked list:
73 Buffer size: 5 : 40[0] 39[1] 38[2] 37[3] 36[4]
74
75 Buffer size: 10 : 35[0] 34[1] 33[2] 32[3] 31[4] 30[5] 29[6] 28[7] 27[8] 26[9
    ]
76
77 Buffer size: 20 : 25[0] 24[1] 23[2] 22[3] 21[4] 20[5] 19[6] 18[7] 17[8] 16[9
    ] 15[10] 14[11] 13[12] 12[13] 11[14] 10[15] 9[16] 8[17] 7[18] 6[19]
78
79 Buffer size: 40 : 5[0] 4[1] 3[2] 2[3] 1[4]
80
81
82
83 Process finished with exit code 0
```