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Oct. 20, 2023

CSCI 373 Homework 3

Sample Outputs

String Singly Linked List

```
justin@Justins-MacBook-Pro-2 String % g++ singlyTest.cpp sLinkedList.cpp -o single
justin@Justins-MacBook-Pro-2 String % ./ssingle
zsh: no such file or directory: ./ssingle
justin@Justins-MacBook-Pro-2 String % ./single
Adam
Eve
Ian
Oscar
Uma

Adam
Eve
Ian
Justin
Oscar
Rica
Uma

Adam
Eve
Ian
Justin
Oscar
Rica
Aurelia
Uma

Adam
Eve
Ian
Justin
Oscar
Rica
Aurelia

Eve
Ian
Justin
Oscar
Rica
```

Templated Singly Linked List

```
justin@Justins-MacBook-Pro-2 Template % g++ sLinkedListT.cpp -o singleT
justin@Justins-MacBook-Pro-2 Template % ./singleT
Integer Type Singly Linked List:

1
2
3
4
5
6
7
8
9
10

Float Type Singly Linked List:

1
1.1
1.2
1.3
1.4
1.5
```

String Doubly Linked List

```
justin@Justins-MacBook-Pro-2 String % g++ doublyTest.cpp dLinkedList.cpp -o double
justin@Justins-MacBook-Pro-2 String % ./double
Apple
Banana
Kiwi
Lime
Mango
Raspberry

List of Fruits:
Apple
Banana
Kiwi
Lime
Mango
Raspberry
Strawberry

Apple
Banana
Kiwi
Lime
Mango
Raspberry
```

Templated Doubly Linked List

```
justin@Justins-MacBook-Pro-2 Template % g++ dLinkedListT.cpp -o doubleT
justin@Justins-MacBook-Pro-2 Template % ./doubleT
Integer Type Doubly Linked List:

44
13
7
5
3
1

50
44
13
7
5
3
1
0

44
13
7
5
3
1

Float Type Doubly Linked List:

1.12342
1.13839
1.28349
1.29472
1.54375
1.98743

1.00001
1.12342
1.13839
1.28349
1.29472
1.54375
1.98743
1.99999
```

String Circularly Linked List

```
justin@Justins-MacBook-Pro-2 String % g++ circularTest.cpp cLinkedList.cpp -o circle
justin@Justins-MacBook-Pro-2 String % ./circle
Now Playing: Axel F - Crazy Frog
Next Up: CAROUSEL - Travis Scott

Enter 1 for next song, enter 0 to stop playing.
1
Now Playing: CAROUSEL - Travis Scott
Next Up: 3005 - Childish Gambino

Enter 1 or 0: 1
Now Playing: 3005 - Childish Gambino
Next Up: Earfquake - Tyler, The Creator

Enter 1 or 0: 1
Now Playing: Earfquake - Tyler, The Creator
Next Up: Angels - Chance the Rapper

Enter 1 or 0: 1
Now Playing: Angels - Chance the Rapper
Next Up: L$D - A$AP Rocky

Enter 1 or 0: 1
Now Playing: L$D - A$AP Rocky
Next Up: King Kunta - Kendrick Lamar

Enter 1 or 0: 1
Now Playing: King Kunta - Kendrick Lamar
Next Up: Axel F - Crazy Frog

Enter 1 or 0: 1
Now Playing: Axel F - Crazy Frog
Next Up: CAROUSEL - Travis Scott

Enter 1 or 0: 0
Exit List
```

Templated Circularly Linked List

```
PS F:\Local C++Programs\CSCI373\HW3\Circularly Linked List\Template> g++ cLinkedListT.cpp song.cpp -o circleT
PS F:\Local C++Programs\CSCI373\HW3\Circularly Linked List\Template> ./circleT

Current Item: pick up the phone - Travis Scott - 5s
Next Up: Down On My Luck - Vic Mensa - 30s

Enter Ctrl+C to exit the player.

Current Item: Down On My Luck - Vic Mensa - 30s
Next Up: Solo - Frank Ocean - 10s

Enter Ctrl+C to exit the player.

Current Item: Solo - Frank Ocean - 10s
Next Up: Cocoa Butter Kisses - Chance the Rapper - 20s

Enter Ctrl+C to exit the player.

Current Item: Cocoa Butter Kisses - Chance the Rapper - 20s
Next Up: pick up the phone - Travis Scott - 5s

Enter Ctrl+C to exit the player.

Current Item: pick up the phone - Travis Scott - 5s
Next Up: Down On My Luck - Vic Mensa - 30s

Enter Ctrl+C to exit the player.
```