

Jesse Reid CSC6013 First Exercise E#1

```
from linkedlist import LinkedList
```

```
def main():
    e_list = [76, 88, 11, 34, 56, 91]
    jrlist = LinkedList()
    jrlist.printList("List created")

    for num in e_list:
        jrlist.insertBeginning(num)
        jrlist.printList(f"Inserting {num} at Beginning")

    jrlist.resetCurrent()
    for i in range(2):
        jrlist.nextCurrent()
    jrlist.printList("Moving Current to the third element of the list")

    jrlist.removeCurrentNext()
    jrlist.printList("Removing the next to current element")

    jrlist.insertCurrentNext(23)
    jrlist.printList("Inserting 23 next to the current element")

if __name__ == "__main__":
    main()
```

Python 3.12.0 (v3.12.0:0fb18b02c8, Oct 2 2023, 09:45:56) [Clang 13.0.0 (clang-1300.0.29.30)]
on darwin
Type "help", "copyright", "credits" or "license()" for more information.

```
===== RESTART: /Users/jreid/Documents/JLR_dev_code/merrimack/CSC6013/E1.py =====
==== List created
Empty Linked List
=====
==== Inserting 76 at Beginning
76 Current: 76
=====
==== Inserting 88 at Beginning
88 76 Current: 76
=====
==== Inserting 11 at Beginning
11 88 76 Current: 76
=====
==== Inserting 34 at Beginning
34 11 88 76 Current: 76
=====
==== Inserting 56 at Beginning
56 34 11 88 76 Current: 76
=====
==== Inserting 91 at Beginning
91 56 34 11 88 76 Current: 76
```

==== Moving Current to the third element of the list
91 56 34 11 88 76 Current: 34

==== Removing the next to current element
91 56 34 88 76 Current: 34

==== Inserting 23 next to the current element
91 56 34 23 88 76 Current: 34
