COSC 501
Lab 12

Program: Linked List

The following program creates a linked list with three colors:

```
 8          struct Node {
 9              string data;
10              Node *next;
11          };
12          typedef Node* NodePtr;
13          void printList(NodePtr head);
14
15          int main() {
16              NodePtr pList, pn;
17
18              pList = new Node;
19              pList->data = "green";
20
21              pn = new Node;
22              pn->data = "blue";
23              pList->next = pn;
24
25              pn->next = new Node;
26              pn = pn->next;
27              pn->data = "violet";
28              pn->next = nullptr;
29
30              printList(pList);
31              return (0);
32          }
```

Add code to the main function that:

    a. Outputs in order all colors in the list.

    b. Inserts the color "indigo" in the list after "blue" then outputs the modified list.

    c. Deletes the node with "violet" then outputs the modified list.

    d. Deletes all nodes in the list.