```
SinglyLinkedListNode* mergeLists(SinglyLinkedListNode* head1, SinglyLinkedListNode* head2) {
   SinglyLinkedListNode* mergedHead =
(SinglyLinkedListNode*)malloc(sizeof(SinglyLinkedListNode));
   SinglyLinkedListNode* tail = mergedHead;
   mergedHead->next = NULL;

   while (head1 != NULL && head2 != NULL) {
      if (head1->data <= head2->data) {
         tail->next = head1;
         head1 = head1->next;
      } else {
         tail->next = head2;
         head2 = head2->next;
      }
      tail = tail->next;
   }

   // Attach the remaining nodes of the non-empty list
   tail->next = (head1 != NULL) ? head1 : head2;

   // Save and remove the dummy node
   SinglyLinkedListNode* result = mergedHead->next;
   free(mergedHead);

   return result;
```

}

### Sample Input

```
1
3
1
2
3
2
3
4
```

### Sample Output

```
1 2 3 3 4
```

### Explanation

The first linked list is: $1 \rightarrow 3 \rightarrow 7 \rightarrow NULL$

The second linked list is: $3 \rightarrow 4 \rightarrow NULL$

Hence, the merged linked list is: $1 \rightarrow 2 \rightarrow 3 \rightarrow 3 \rightarrow 4 \rightarrow NULL$