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Data Structures

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Computer Applications



Data Structures

Session : Applications of Linked Lists: Merge 2 Ordered Lists, Polynomial Manipulation

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1. **while** head2 \neq NULL **do**
 - 1.1 Set *data* \leftarrow head2.data
 - 1.2 Set *head2* \leftarrow Delete_Front(head2)
 - 1.3 Set *head1* \leftarrow Insert_Order(head1, data)
2. **end while**
3. **return** head1

End Algorithm

```
1
2  NODE merge_sorted_lists(NODE Head1, NODE Head2)
3  {
4      while (Head2 != NULL) {
5          int data = Head2->data;
6          Head2 = del_front(Head2);
7          Head1 = insert_order(Head1, data);
8      }
9      return Head1;
}
```




Thank You

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