

This tutorial is grading-based. Correct implementation: 15 pts. If the code cannot compile/run, but the logic is on the right track, 5 pts at most.

Feel free to use the codes provided by this course (such as tutorials). HOWEVER, you cannot use any code from other resources (e.g. google this function and use others' codes). We expect that this is your own work. Thus, no discussion with your classmates is allowed. You can ask TAs to clarify the requirements, but not debugging your codes.

Task: merge two sorted linked lists into one sorted linked lists. For example,

List A is: 12->13->34->50;

List B is: 1->19->37

The merged sorted linked list is: 1->12->13->19->34->37->50.

A framework is provided in tut-week5-framework.cpp. Implement the function "merge".

This function can be run if you comment the line that calls the merge function:

```
//new_head = merge(head1, head2);
```

Feel free to test it.

Specific requirements.

- 1) read a sorted list from sortA.txt and create the first sorted linked list
- 2) read a sorted list from sortB.txt and create a second sorted linked list
- 3) merge the two sorted linked list; save the list in another linked list and print out its content