![Graphical user interface, text, application, email

Description automatically generated]()

![A picture containing text

Description automatically generated]() now consider how we do merge sort we take low=0,high=5 and

Mid=low+high/2 ->2.

A picture containing text, watch, gauge

Description automatically generated here 54 further divided into 5 and 4.

Divide and conquer used.

Sorted like->

![Diagram

Description automatically generated]()

This was for array

Now for linked list to find middle we use slow and fast method.

![A picture containing text, blackboard

Description automatically generated]()

Here we get 3 as middle and first point to current and second point to slow->next.

But linked list still connected. Hence slow->next=NULL.

Now merge function same as merge of array.