**Partition**

Write code to partition a liked list around a value x, such that all nodes less than x come before nodes greater or equals x.

//We can also make 2 lists a merge them before.

public Node partitionList**(**Node root**,** int value**){**

Node head**=** root**;** //Helps to keep track of the head of list

Node tail**=** root**;** //Helps to keep track of the tail of list

**while(**root **!=** null**){**

Node next **=** root**.**next**;**

**if(**root**.**val**<** value**){** // Update head

root**.**next **=** head**;**

head **=** root**;**

**}else{** // Update tail

tail**.**next**=** root**;**

tail **=** tail**.**next**;**

**}**

root **=** next**;**

**}**

tail**.**next **=** null**;**

**return** head**;**

**}**

**Time Complexity: O(n).**