# DSA Tutorial- 7

1. Write a function, **`insert`**, that takes position, value, and the singly linked list as parameters and inserts a node at the specified position.

2. Write a function, **`isCircular`**, that takes a doubly linked list as input and returns whether the linked list is circular or not.

3. Write a function, **`arrange`**, that takes a doubly linked list as input and divides the linked list equally into two splits and merges the reversed of them.

   Example:

   Input: **`2, 3, 1, 5, 7, 10`**
   Output: **`1, 3, 2, 10, 7, 5`**

4. Write a function, **`rearrange`**, that takes a sorted doubly linked list as input and rearranges the list such that the new order alternates between the largest and smallest remaining values.

   Example:

   Input: **`1, 3, 4, 5, 7, 10`**
   Output: **`10, 1, 7, 3, 5, 4`**