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*Assignment 1*

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Write a program to pairwise swap the elements of a linked list. Consider integer elements in the list. The program must include the following functionalities:

**InsertAtBeginning()** - This function inserts a new node at the beginning of the linked list. Head pointer must be passed as argument to this function. This function helps to create the linked list initially.

**Swap()** - This function pairwise swaps the elements of a linked list, from left to right.

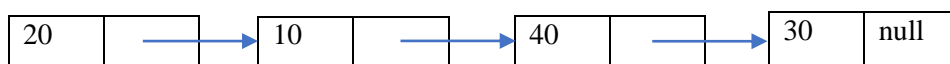
**PrintList()** – This Function prints the entire linked list. Head pointer must be passed as argument to this function.

**For Example,**

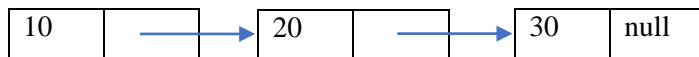
Input: (Even no. of nodes)



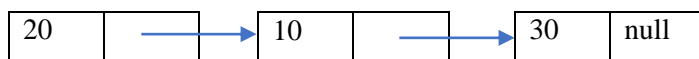
Output:



Input: (Odd no. of nodes)



Output:



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*Assignment 2*

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Write a program to check whether a character linked list is a palindrome or not?

**InsertAtBeginning()** - This function inserts a new node at the beginning of the linked list. Head pointer must be passed as argument to this function. This function helps to create the linked list initially.

**CheckPalindrome()**- This function checks, if the linked list is a palindrome or not?

Palindrome Example:



Not a Palindrome Example:

