Introduction to Linked List

Problem Statement:

you are given an array ‘Arr’ of size ‘N’ consisting of Positive integers. Make a linked list from array and return the head of the linked list.

Examples:

input : Arr = [4, 2, 5, 1];

output : 4->2->5->1

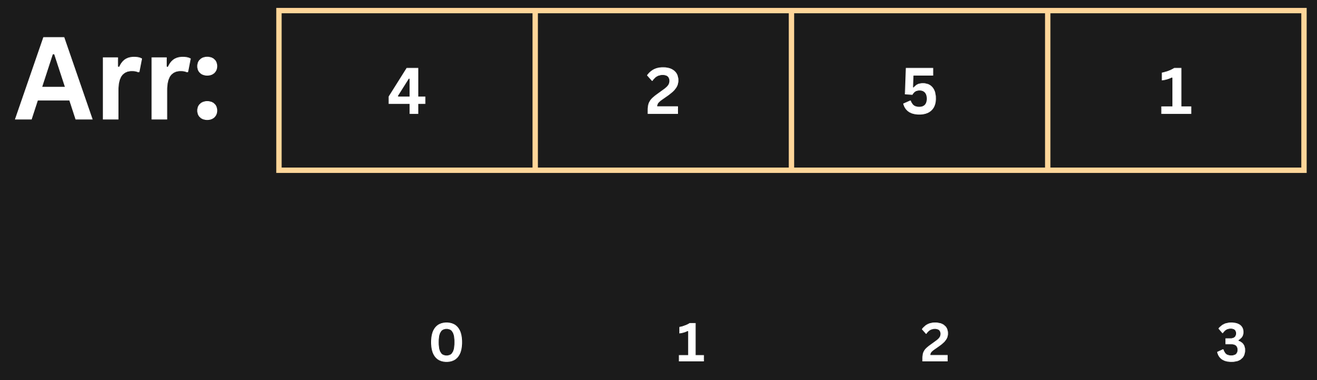
Examples:

input : Arr = [4, 3, 2, 1, 5];

output : 4->3->2->1->5

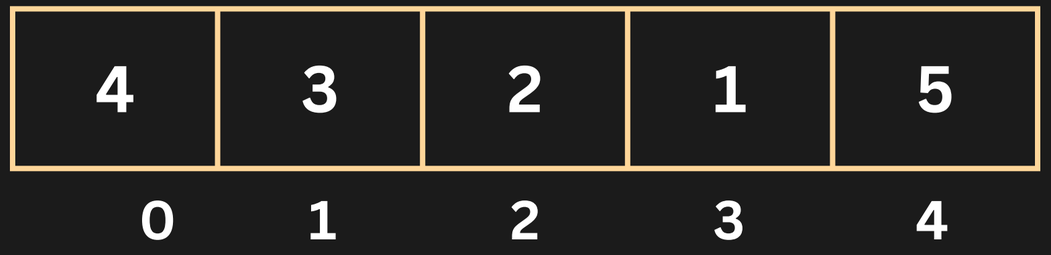
Approach Discuss:

1 first check , if Arr is empty.


Arr:
4
2
5
1
0
1
2
3

2. if array is not empty. then

Arr:



Code:

```
Node* constructLL(vector<int>& arr) {
    if(arr.size() == 0)
    {
          return NULL;
     }
    Node* head = new Node(arr[0]);
    Node* curr = head;
   for(int i=1; i<arr.size(); i++)
    {
         Node* temp = new Node(arr[i]);
         curr->next = temp;
          curr = temp;
     }
     return head;
}
```