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*Reg No = 201800631
*Dept = IT
*Lab Work : 5
#include <stdio.h>
#include <stdlib.h>
struct Node {
    int data;
    struct Node* next;
};
void sortedInsert(struct Node** head_ref,
                  struct Node* new_node)
    struct Node* current;
    if (*head_ref == NULL
        || (*head ref)->data
               >= new node->data) {
        new node->next = *head ref;
        *head_ref = new_node;
        current = *head ref;
        while (current->next != NULL
               && current->next->data < new node->data) {
            current = current->next;
        new node->next = current->next;
        current->next = new_node;
struct Node* newNode(int new_data)
    struct Node* new node
= (struct Node*)malloc(
sizeof(struct Node));
    new node->data = new data;
    new_node->next = NULL;
   return new node;
void printList(struct Node* head)
    struct Node* temp = head;
   while (temp != NULL) {
        printf("%d ", temp->data);
        temp = temp->next;
}
void main()
    struct Node* head = NULL;
    struct Node* new node = newNode(5);
    sortedInsert(&head, new node);
    new node = newNode(10);
    sortedInsert(&head, new node);
    new node = newNode(7);
    sortedInsert(&head, new_node);
    new node = newNode(3);
    sortedInsert(&head, new node);
    new node = newNode(1);
    sortedInsert(&head, new_node);
    new node = newNode(9);
    sortedInsert(&head, new node);
    printf("\n Created Linked List\n");
    printList(head);
```

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> MAVEN

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