Singly Linked List All operations

#include<iostream>

using namespace std;

**// Create A class node**

class Node{

public:

int data;

node\* next;

// Node Class Constructor

Node(int val){

data=val;

next=NULL;

}

};

**// Insert Element At Tail**

void insertAtTail(node\* &head,int val){

node\* n=new node(val);

if(head==NULL){

head=n;

return;

}

node\* temp=head;

while(temp->next!=NULL){

temp=temp->next;

}

temp->next=n;

}

**// Display All Element**

void display(node\* head){

node\* temp=head;

while(temp!=NULL){

cout<<temp->data<<"->";

temp=temp->next;

}

cout<<"NULL"<<endl;

}

// Insert At Head

void insertAtHead(node\* &head,int val){

node\* n=new node(val);

n->next=head;

head=n;

}

**// Searching A Linked List**

bool Search(node\* head,int key){

node\* temp=head;

while(temp->next!=NULL){

if(temp->data==key){

return true;

}

temp=temp->next;

}

return false;

}

int main(){

node\* head =NULL;

insertAtTail(head,12);

insertAtTail(head,178);

insertAtTail(head,1788);

display(head);

insertAtHead(head,345);

display(head);

cout<<Search(head,178);

return 0;

}

