21May

Prgm 1

Write C Program to create Singly Liked List with n elements and reverse the elements using C.

#include <stdio.h>  
#include <stdlib.h>  
struct node  
{  
int data;  
struct node next;  
};  
struct Node reverse(struct Node head,int k)  
{  
struct Node current= head;  
struct Node next= Null;  
struct Node prev= Null;  
int count = 0;  
while(current!=Null && count<k)  
{  
next= current->next;  
current->next = prev;  
prev= current;  
current= next;  
count++;  
}  
if ( next!=Null)  
head->next= reverse( next,k);  
return prev;  
}  
void push( struct Node ==head\_ref,int new\_data)  
{  
struct Node= new\_node= (struct Node) malloc(sizeof(struct Node));  
}  
}  
int main()  
{  
Struct node \*prev,\*head,\*p;  
int n,i;  
printf ("number of elements:");  
scanf("%d",&n);  
head=NULL;  
for(i=0;i<n;i++)  
{  
p=malloc(sizeof(struct node));  
scanf("%d",&p->data);  
p->next=NULL;  
if(head==NULL)  
head=p;  
else  
prev->next=p;  
prev=p;  
}  
return 0;  
}

Prgm 2  
Python program in number right angled triangle  
Enter number 5  
5 4 3 2 1  
4 3 2 1  
3 2 1  
2 1  
1  
rows = int(input("enter number of rows "))  
for i in range(0, rows + 1):  
for j in range(rows - i, 0, -1):  
print(j, end=' ')  
print()