program 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;

}

program 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()