***Create Singly Linked List***

#include <conio.h>

#include <stdio.h>

#include <stdlib.h>

struct node

{

int val;

struct node \*next;

};

void print\_list(struct node \*head)

{

printf("H->");

while(head)

{

printf("%d->", head->val);

head = head->next;

}

printf("|||\n");

}

void insert\_front(struct node \*\*head, int value)

{

struct node \* new\_node = NULL;

new\_node = (struct node \*)malloc(sizeof(struct node));

if (new\_node == NULL)

{

printf("Failed to insert element. Out of memory");

}

new\_node->val = value;

new\_node->next = \*head;

\*head = new\_node;

}

void main()

{

int count = 0, i, val;

struct node \* head = NULL;

printf("Enter number of elements: ");

scanf("%d", &count);

for (i = 0; i < count; i++)

{

printf("Enter %dth element: ", i);

scanf("%d", &val);

insert\_front(&head, val);

}

printf(" List: ");

print\_list(head);

}

**OUTPUT**

Enter number of elements: 5

Enter 0th element: 1

Enter 1th element: 2

Enter 2th element: 3

Enter 3th element: 4

Enter 4th element: 5

List: H->5->4->3->2->1->|||