Write a C program for Insert an element in a singly linked list Insert at the First Position

Code :

#include <stdio.h>

#include <stdlib.h>

Struct Node {

Int data;

Struct Node\* next;

};

Void insertFirst(struct Node\*\* head, int value) {

Struct Node\* newNode = (struct Node\*)malloc(sizeof(struct Node));

newNode->data = value;

newNode->next = \*head;

\*head = newNode;

}

Void display(struct Node\* head) {

Printf(“Linked List: “);

While (head != NULL) {

Printf(“%d -> “, head->data);

Head = head->next;

}

Printf(“NULL\n”);

}

Int main() {

Struct Node\* head = NULL;

Int n, value;

Printf(“How many elements to insert at the beginning? “);

Scanf(“%d”, &n);

For (int i = 0; i < n; i++) {

Printf(“Enter value %d: “, i + 1);

Scanf(“%d”, &value);

insertFirst(&head, value);

}

Display(head);

Return 0;

}

Output :

How many elements to insert at the beginning? 4

Enter value 1: 5

Enter value 2: 3

Enter value 3: 6

Enter value 4: 4

Linked List: 4 -> 6 -> 3 -> 5 ->NULL

