```
#include<stdio.h>
#include<stdlib.h>
struct Node {
 int key;
 struct Node * next;
void likedlist(struct Node * Mainhead) {
 struct Node * ptr = Mainhead;
  printf("Element is %d\n", ptr -> key);
  ptr = ptr -> next;
 } while (ptr != Mainhead);
struct Node * insertfirst(struct Node * Mainhead, int key) {
 struct Node * ptr = (struct Node * ) malloc(sizeof(struct Node));
 ptr -> key = key;
 struct Node * p = Mainhead -> next;
 while (p -> next != Mainhead) {
  p = p \rightarrow next;
 p \rightarrow next = ptr;
 ptr -> next = Mainhead;
 Mainhead = ptr;
 return Mainhead;
int main() {
 struct Node * Mainhead;
 struct Node * two;
 struct Node * three:
 struct Node * four;
 Mainhead = (struct Node * ) malloc(sizeof(struct Node));
 two = (struct Node * ) malloc(sizeof(struct Node));
 three = (struct Node * ) malloc(sizeof(struct Node));
 four = (struct Node * ) malloc(sizeof(struct Node));
 Mainhead \rightarrow key = 8;
 Mainhead \rightarrow next = two;
 two \rightarrow key = 1;
 two \rightarrow next = three;
 three \rightarrow key = 4;
 three \rightarrow next = four;
 four \rightarrow key = 7;
 four \rightarrow next = Mainhead;
 printf("before insertion\n");
 likedlist(Mainhead);
 Mainhead = insertfirst(Mainhead, 35);
 Mainhead = insertfirst(Mainhead, 41);
 Mainhead = insertfirst(Mainhead, 96);
 printf("after insertion\n");
 likedlist(Mainhead);
 return 0;
}
```