

```
#include <stdio.h>

struct list{
    int x;
    struct list *next;
};

int insertionSort(struct list *listi){

    struct list *listj;
    listj = malloc( sizeof(struct list) );
    struct list *tzoker;
    tzoker = malloc( sizeof(struct list) );

    listj=listi->next;
    while(listi->next!=NULL){
        while(listj->next!=NULL){
            if (listi->x>listj->x) {
                tzoker=listi;
                listi=listj;
                listj=tzoker;
            }
        }
    }

    return 0;
}
```