

```
struct box {
    int x;
    struct box *next;
};

struct box SortedListMerge(struct box* a, struct box* b){

    struct box *currentnode,*temp;
    a = malloc( sizeof(struct box) );
    b = malloc( sizeof(struct box) );
    currentnode = malloc( sizeof(struct box) );

    printf("a->x = %d\n",a->x);

    if(a==NULL){
        a=b;
        currentnode=a;
    }else{
        temp = a;
        while(temp->next!=NULL)
        {
            temp = temp->next;
        }
        temp->next = b;
    }

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

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

    return *a;
}
```