```
#include<stdio.h>
#define MAXNUM 100
typedef int KeyType;
typedef int DataType;
typedef struct {
    KeyType key;
                      /* 排序码字段 */
    /*DataType info;
                       记录的其它字段 */
} RecordNode;
typedef struct {
                         /* n为文件中的记录个数, n<MAXNUM */
    int n:
    RecordNode record[MAXNUM];
} SortObject;
void binSort(SortObject * pvector) { /* 按递增序进行二分法插入排序
*/
    int i, j, left, mid, right;
    RecordNode temp;
    RecordNode *data = pvector->record;
    for( i = 1; i < pvector->n; i++ ) {
        temp = data[i];
        left = 0; right = i-1; /* 置已排序区间的下、上界初
值 */
        while (left <= right) {</pre>
            mid = (left + right)/2;
                                      /* mid指向已排序区间的中间
位置 */
            if (temp.key < data[mid].key)</pre>
                right = mid-1;
                                         /* 插入元素应在左子区间 */
            else left = mid+1;
                                         /* 插入元素应在右子区间 */
        }
        for (j = i-1; j >= left; j--)
            data[j+1] = data[j];
                                        /* 将排序码大于ki的记录后移
*/
        if (left != i) data[left] = temp;
    }
}
SortObject vector={10, 49,38,65,97,76,13,27,49,50,101};
int main(){
    int i;
    binSort(&vector);
    for(i = 0; i < vector.n; i++)
        printf("%d ", vector.record[i]);
    getchar();
    return 0;
}
```