

```

Status ListInsert(SeqList *pSeqList, int i, const ElemType e){
    int k;

    if (i < 0 || i > pSeqList->length){
        printf("Insert index is out of range !\n");
        return FALSE;
    }

    if (pSeqList->length >= MAX_SIZE){
        printf("Size of list is too big !\n");
        return FALSE;
    }

    if (i <= pSeqList->length-1){
        for (k = pSeqList->length-1; k>=i; k--)
            pSeqList->data[k+1] = pSeqList->data[k];
    }

    pSeqList->data[i] = e;

    pSeqList->length++;

    return TRUE;
}

```

1. i = 2, e = 9

2. pSeqList

1	[0]
2	[1]
3	[2]

3. pSeqList

1	[0]
2	[1]
9	[2]
3	[3]