```asm
 1    include "emu8086.inc"
 2    .model small
 3    .stack 100h
 4
 5    .data
 6        inputArray db 15,3,2,2,1,6,12
 7        outputArray db 6 dup(?)
 8    .code
 9
10    main proc
11        mov ax,@data
12        mov ds,ax
13
14        CALL SCAN_NUM ;CX contains range input
15
16        ;initializaion
17        mov si,0
18        mov bh,1
19        mov di,0
20        inc cl
21        mov ah,0
22
23        l1:
24            cmp bh,cl
25            jz mid
26            mov al,inputArray[si]
27            cmp al,bh
28            jz found          ;if found,then straight start with new search
29            inc si
30            cmp si,7
31            jz notFound       ;if not found, then append
32                              ;it into the outputArray
33            jmp l1
34
35        found:
36            mov si,0
37            inc bh
38            jmp l1
39
40        notFound:
41            mov outputArray[di],bh
42            inc di
43            jmp l1
44
45         mid:                 ;this segment is to show the output
46            mov outputArray[di],'$'
47            mov di,0
48
49            CALL PTHIS
50            db 13, 10, 'Missing values are : ', 0
51            l2:
52                mov al,outputArray[di]
53                cmp al,'$'
54                jz end
55                CALL PTHIS
56                db ' ', 0
57                CALL PRINT_NUM
58                inc di
59                jmp l2
60
61        end:
62            DEFINE_SCAN_NUM
63            DEFINE_PRINT_NUM
64            DEFINE_PRINT_NUM_UNS
65            DEFINE_PTHIS
66            hlt
67
68    endp main
69    end main
```