

```
; Attributes: bp-based frame  
  
public vulnerable_function  
vulnerable_function proc near  
  
c= byte ptr -8Dh  
buffer= byte ptr -8Ch  
bytes_read= dword ptr -0Ch  
  
push    ebp  
mov     ebp, esp  
sub    esp, 98h  
mov    ds:i, 0  
sub    esp, 4  
push    1  
lea     eax, [ebp+c]  
push    eax  
push    0  
call    _read  
add    esp, 10h  
mov    [ebp+bytes_read], eax  
jmp    short loc_804875F
```

```
loc_804875F:  
cmp    [ebp+bytes_read], 0  
jle    short locret_8048787
```

```
movzx   eax, [ebp+c]  
cmp    al, 0Ah  
jz     short locret_8048787
```

```
movzx   eax, [ebp+c]  
test   al, al  
jz     short locret_8048787
```

```
mov    eax, ds:i  
cmp    eax, 0FFh  
jle    short loc_804872A
```

```
loc_804872A:  
mov    eax, ds:i  
lea    edx, [eax+1]  
mov    ds:i, edx  
movzx  edx, [ebp+c]  
mov    [ebp+eax+buffer], dl  
sub    esp, 4  
push    1  
lea    eax, [ebp+c]  
push    eax  
push    0  
call    _read  
add    esp, 10h  
mov    [ebp+bytes_read], eax
```

```
locret_8048787:  
leave  
retn  
vulnerable_function endp
```