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; Attributes: bp-based frame

public vulnerable_function
vulnerable_function proc near

c= byte ptr -39h
buffer= byte ptr -38h

push    ebp
mov     ebp, esp
sub    esp, 48h
mov     ds:i, 0
sub    esp, 0Ch
push    offset aEnterLaunchCod ; "Enter launch code: "
call    _puts
add    esp, 10h
sub    esp, 4
push    1
lea     eax, [ebp+c]
push    eax
push    0
call    _read
add    esp, 10h
mov     ds:status, eax
jmp    short loc_80488CB

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loc_80488CB:
mov    eax, ds:status
test   eax, eax
jle    short loc_80488F0

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movzx  eax, [ebp+c]
cmp    al, 0Ah
jz     short loc_80488F0

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movzx  eax, [ebp+c]
test   al, al
jz     short loc_80488F0

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mov    eax, ds:i
cmp    eax, 0FFh
jle    short loc_804889D

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loc_804889D:
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    ds:status, eax

```

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loc_80488F0:
mov    eax, ds:i
mov    [ebp+eax+buffer], 0
sub    esp, 0Ch
lea    eax, [ebp+buffer]
push   eax
call   validate_code
add    esp, 10h
leave
retn
vulnerable_function endp

```