

```
; Attributes: bp-based frame  
  
public generate_counts  
generate_counts proc near  
  
c= byte ptr -9  
fd= dword ptr 8  
counts= dword ptr 0Ch  
  
push    ebp  
mov     ebp, esp  
sub    esp, 18h  
jmp    short loc_8048759
```

```
loc_8048759:  
sub    esp, 4  
push    1  
lea     eax, [ebp+c]  
push    eax  
push    [ebp+fd]  
call    _read  
add    esp, 10h  
test    eax, eax  
jg     short loc_8048707
```

```
loc_8048707:  
movzx  eax, [ebp+c]  
cmp    al, 20h  
jz     short loc_8048717
```

```
leave  
retn  
generate_counts endp
```

```
movzx  eax, [ebp+c]  
cmp    al, 0Ah  
jnz   short loc_8048719
```

```
loc_8048717:  
jmp    short loc_8048759
```

```
loc_8048719:  
movzx  eax, [ebp+c]  
cmp    al, 7Ah  
jg     short loc_8048733
```

```
movzx  eax, [ebp+c]  
cmp    al, 60h  
jle   short loc_8048733
```

```
movzx  eax, [ebp+c]  
sub    eax, 20h  
mov    [ebp+c], al
```

```
loc_8048733:  
movzx  eax, [ebp+c]  
movsx  eax, al  
lea    edx, [eax-41h]  
mov    eax, [ebp+counts]  
add    eax, edx  
movzx  edx, [ebp+c]  
movsx  edx, dl  
lea    ecx, [edx-41h]  
mov    edx, [ebp+counts]  
add    edx, ecx  
movzx  edx, byte ptr [edx]  
add    edx, 1  
mov    [eax], dl
```