

```

1: #include <stdio.h>
2: #include <stdlib.h>
3: #include <conio.h>
4: #define ctrl_Z 26
5:
6: int main()
7: {
8:
9:     int c, C, l;
10:    printf("Enter a character(s), ctrl-Z to quit: (I won't prompt you again)\n");
11:    do
12:    {
13:        c = getch();
14:        putchar(c);
15:        printf(" %d %xh ",c,c);
16:        if(c >= 'A' && c <= 'Z' || c >= 'a' && c <= 'z')
17:        {
18:
19:            C = c & 0xDF;
20:            putchar(C);
21:            printf(" %d %xh ",C,C);
22:
23:            l = C | 0x20;
24:            putchar(l);
25:            printf(" %d %xh ",l,l);
26:        }
27:        if(c >= '0' && c <= '9')
28:        {
29:            C = c & 0x0F;
30:            printf(" %d %xh ",C,C);
31:        }
32:        putchar('\n');
33:    } while( c != ctrl_Z);
34:    system("pause");
35:    return 0;
36: }
37:

```