

```

#include <stdio.h>

int main()
{
    int x;
    scanf("%d", &x);

    int mask = 1;
    int t = x;
    while ( t>9 ) {
        t /= 10;
        mask *=10;
    }
    printf("x=%d, mask=%d\n", x, mask);
    do {
        int d = x / mask;
        printf("%d", d);
        if ( mask > 9 ) {
            printf(" ");
        }
        x %= mask;
        mask /= 10;
    } while ( mask > 0 );
    printf("\n");

    return 0;
}

```