```c
#include <stdio.h>
#include <stdlib.h>

size_t undup(int a[],size_t l)
{
    size_t w = 0 ; // write position
    size_t r = 0 ; // read  position
    while ( r < l ) {
        if ( a[w] != a[r++]  )
            a[++w] = a[r-1] ;
    }
    return w ;
}

int main(int argc,char* argv[])
{
    int A[] = {1,1,2,2,2,3,4,5,6,7,8,8,0};
    int a[100];
    size_t l;
    size_t i;
    for ( i = 0 ; A[i] ;i++ )
        a[i] = A[i] ;
    l = i+1 ;

    l = undup(a,l) ;

    for ( i = 0 ; i < l ; i++ )
        printf("%d ",a[i]);
    if ( l ) printf("\n") ;

    return 0 ;
}
```