#include <bits/stdc++.h>

#define ll long long

#define MP make\_pair

#define PB push\_back

#define N 500009

#define MOD 1000000007

#define f first

#define s second

#define wt(x) cout << # x <<" = " << x << endl

#define FASTIO ios::sync\_with\_stdio(0),cin.tie(0),cout.tie(0)

#define endl "\n"

#define ld long double

#define inf 1e15

using namespace std;

void read(bool out = 0){

#ifndef ONLINE\_JUDGE

freopen("in", "rt", stdin);

if(out)

freopen("out", "wt", stdout);

#endif

}

ll a [2 \* N ];

int main ()

{

ll n ;

cin >> n ;

map < ll ,ll > dp ;

ll num = 0 ;

ll ind = -1 ;

for ( int i =0 ; i < n ; i ++ )

{

cin >> a[i] ;

dp [a[i]] = 1 + dp [a[i] - 1 ];

if ( dp [a[i] ] > num )

{

num = dp [a[i] ];

ind =i ;

}

}

cout << num << endl ;

vector < ll > ans ;

ans.PB ( ind );

ll tar = a[ind] - 1 ;

for ( int i = ind - 1; i >= 0 ; i -- )

{

if ( a[i] == tar )

{

ans.PB ( i );

tar -- ;

}

}

reverse ( ans.begin () , ans.end () );

for ( int i = 0 ;i < ans.size () ; i ++ )

cout << ans [i]+1 << " " ;

}