

//Example 1. Application Using C and CUBLAS: 1-based indexing

```
//  
#include <stdio.h>  
#include <stdlib.h>  
#include <math.h>  
#include <cuda_runtime.h>  
#include "cublas_v2.h"  
#define M 6  
#define N 5  
#define IDX2F(i,j,ld) (((j)-1)*(ld))+((i)-1))  
  
static __inline__ void modify (cublasHandle_t handle, float *m, int ldm, int n, int p, int q, float alpha, float beta){  
    cublasSscal (handle, n-p+1, &alpha, &m[IDX2F(p,q,ldm)], ldm);  
    cublasSscal (handle, ldm-p+1, &beta, &m[IDX2F(p,q,ldm)], 1);  
}
```