

# Data Errors

```
#include <cula.h>

float* A = malloc(20*20*sizeof(float));
memset(A, 0, 20*20*sizeof(float)); /* singular matrix, illegal for LU (getrf) */
int ipiv[20];
s = culaSgetrf(20, 20, A, 20, ipiv);
if( s != culaNoError )
{
    if( s == culaDataError )
        printf("Data error with code %d, please see LAPACK documentation\n",
               culaGetErrorInfo());
    else
        printf("%s\n", culaGetString(s));
}
```