

```
%  
% We need execute (at the shell) the following:  
%  
% export LD_PRELOAD=/lib/libgcc_s.so.1  
%  
% Written by:  
% --  
% John L. Weatherwax          2008-02-19  
%  
% email: wax@alum.mit.edu  
%  
% Please send comments and especially bug reports to the  
% above email address.  
%  
%-----  
  
% create the mex file to drive the "tiles.C" code:  
%  
mex GetTiles_Mex.C tiles.C  
  
% we duplicate the example on the web page:  
vars_array = [ rand, rand ]/0.25;  
  
num_tilings = 10;  
  
memory_size = 3*10*10*10;  
  
a = 1;  
  
tiles = GetTiles_Mex(num_tilings,vars_array,memory_size,a);  
  
for ai=1:3,  
    tiles = GetTiles_Mex(num_tilings,vars_array,memory_size,ai)  
end  
  
% check in a very dumb way for memory leaks:  
tic  
for ai=1:300000,  
    tiles = GetTiles_Mex(num_tilings,vars_array,memory_size,ai);  
end  
toc  
  
clear functions;
```