Scripts and Functions in the same File

If m-code has a function in it, all the code must be encapsulated by functions. **The name of the entry-point function should match the filename**. If you think about it, this makes sense because it favors code re-use.

You can try this:

filename: myScript.m

function [] = myScript()

y = 1:10;

out1 = myfunc(y);

end

function [out1] = myfunc( x )

out1 = sqrt( 1 + (cos(x))^2 );

end

Then you can either hit F5, or from the matlab command prompt type myScript