Hi there:

 I am trying a translate a bunch of source code written in IDL into
my own routines in C. I have no prior experience in IDL though most of the
codes are pretty transparent to me. However, I have two particular
structures in the code that I don't quite resolve. The first one is the
function "where" which takes two parameters and return one result type.
What does it do? And what is the structure of the result type?

 The other feature is that some of the parameters declared at the
beginning of the function are initialized with a '=' sign and within the
function the result is returned. Does this mean the parameters are
reference passed? For instance:

 MY_FUNC, data, pre_data=beta
 .....

Thank you for your help in advance

Regards

P.S. please email to me since I don't read this group very often