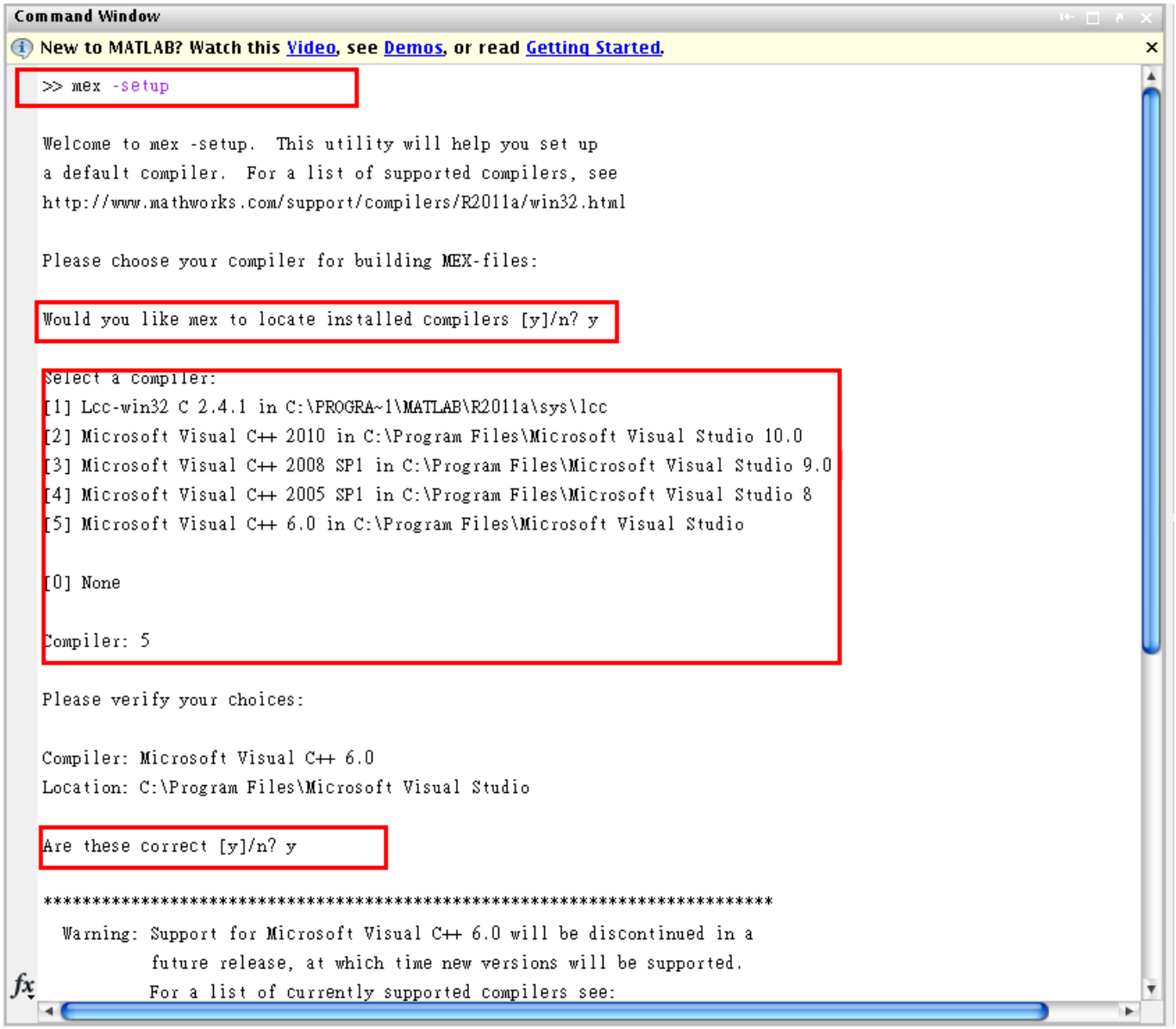
Topic: How to use UniDAQ DLL in a MATLAB environment.

1. Install the general driver – UniDAQ for the ICP DAS I/O Card.

Driver Download page:
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/dll/driver/

2. Set up a default compiler in the MATLAB environment

In the MATLAB "Command Window", enter the COMMAND "**Mex –setup**" to set up a default compiler.



3. Using the UniDAQ DLL

(1) Copy the UniDAQ.h header file to the script folder.

(2) Add the code below to the first line of your m-file script to load the UniDAQ DLL.

```
loadlibrary('UniDAQ.dll','UniDAQ.h'); %Load UniDAQ DLL
```

4. Sample code (m-file)

(1) You can use the below code to inquire the API functions for UniDAQ.

```
libfunctions UniDAQ -full %List the UniDAQ DLL Functions
```

(2) The download page for ICP DAS I/O Card MATLAB sample code is:
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/matlab