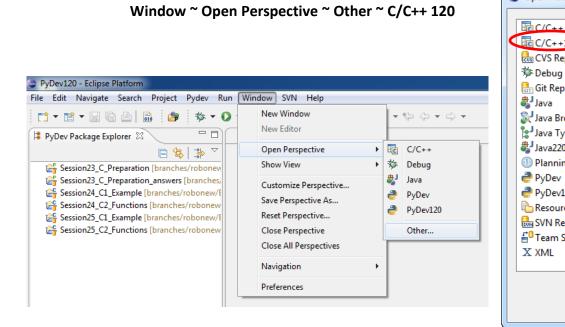
Your first C session in Eclipse

1. Do C in the C/C++ 120 Perspective:



10 C/C++	
C/C++120	
🖶 CVS Repository Exploring	
莎 Debug	
Git Repository Exploring	
ava 🕹 Java	
🕵 Java Browsing	
Java Type Hierarchy	
SJ Java220	
(1) Planning	
n PyDev	
PyDev120 (default)	
Resource	
SVN Repository Exploring	
E ^O Team Synchronizing	
X XML	
OK	Cancel

2. C programs must be *compiled* (translated from the C source language to the binary object language that the computer actually runs).

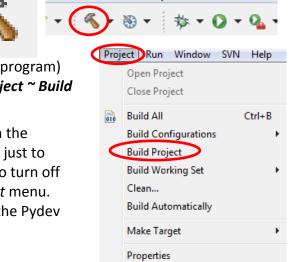
SVN Help

Window

Form the habit of **explicitly** *building* (which compiles the program) before each run: use the Hammer tool button or the Project ~ Build Project menu item (your choice).

Although you can set the compiler to run automatically in the background, it sometimes falls behind and so it is simpler just to build/run each time. For this reason, you might choose to turn off the Build Automatically option that you see on the Project menu. (But turn it back on if you switch back to Python work in the Pydev 120 perspective.)

Use the green arrow to run, as usual, but **SEE NEXT PAGE**.





1 Local C/C++ Application

C

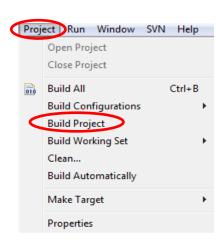
3. Run projects as usual, EXCEPT:

Application Launcher

If ever asked, select the Local C/C++ Application for the • Run As type.

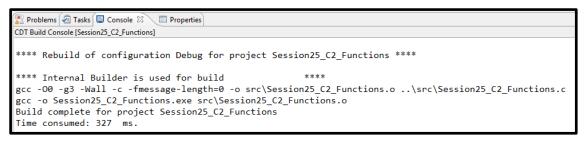
If you see Launch failed. Binary not found,

Launch failed. Binary not found



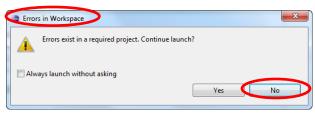
then do Project ~ Build Project to compile the files.

A successful build will look something like the picture below. If you see error messages in the Console output, you MUST fix them before running (else you are running OLD code, NOT the code that you are looking at).



OK

Likewise, if you see a dialog box like that to the right, you MUST fix your errors before running.



If you see a Console message that ends in *Permission Denied*, as in the example below, it

is very likely that you have a C program already running. You must exit that running program before the compile will work. Do so by using the *pull-down arrow* to locate the running program(s), then the red box and XXs to kill it/them.

	😰 Problems 🤕 Tasks 📮 Console 🕸 📃 Properties	🕹 🔂 🔄 🔓
	CDT Build Console [Session25_C1_Example]	
	**** Build of configuration Debug for project Session25_C1_Example ****	
	**** Internal Builder is used for build **** gcc -00 -g3 -Wall -c -fmessage-length=0 -o src\Session25_C1_Example.o\src\Session25_C1_Example.c gcc -o Session25_C1_Example.exe src\Session25_C1_Example.o	
	<pre>c:/mingw/bin//lib/gcc/mingw32/4.5.2/././/mingw32/bin/ld.exe: cannot open output file Session25_C1_Example.exe P collect2: ld returned 1 exit status Build error occurred, build is stopped</pre>	ermission denied
	Time consumed: 741 ms.	
		ĺ
PyDev Scripting	\checkmark	
CDT Global Build C	onsole	
CDT Build Console	[Session24_C1_Example]	
Session24_C1_Exam	ple.exe [C/C++ Application] C:\EclipseWorkspaces\csse120\Session24_C1_Example\Debug\Session24_C1_Example.exe (5/4/12 9:16 AM)	
Session24 C1 Exam	nple.exe [C/C++ Application] C:\EclipseWorkspaces\csse120\Session24_C1_Example\Debug\Session24_C1_Example.exe (5/4/12.10:25 HW)	