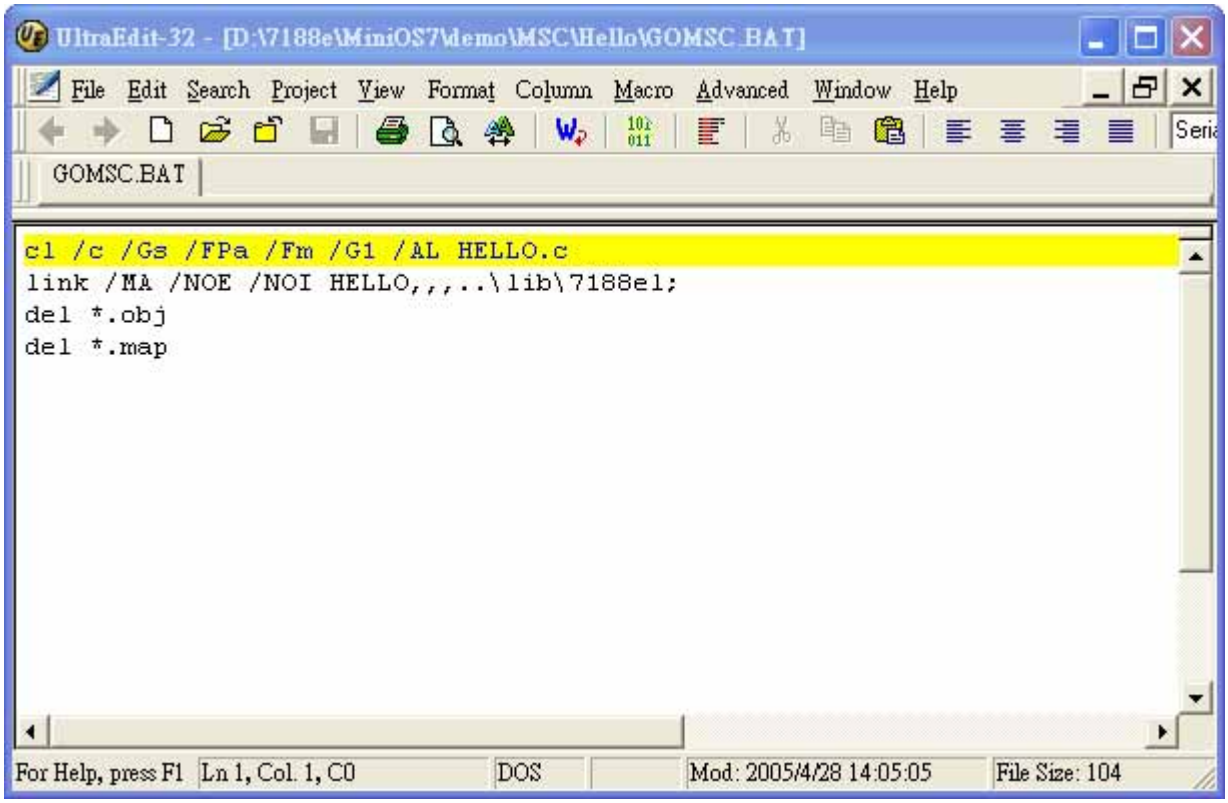
MSC 6.00 Compiler

Step 1: In the folder of the source file, create a batch file as Gomsc.bat.

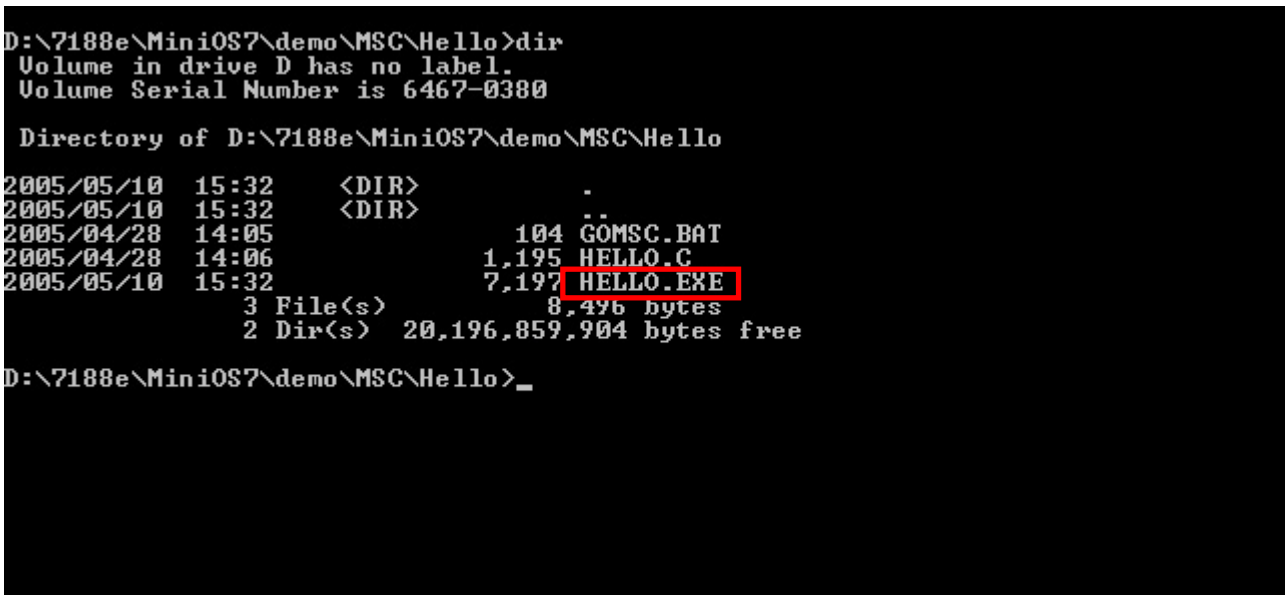


NOTE: **/C** : don't strip comments
/Gs : no stack checking
/FPa calls with altmath
/Fm : [map file]
/G1 : 186 instructions
/AL : large model
HELLO.C : the source file
..\lib\7188el : the path of the function library

Step 2: Run the Gomsc.bat.

```
D:\7188e\MiniOS7\demo\MSC\Hello>Gomsc

D:\7188e\MiniOS7\demo\MSC\Hello>cl /c /Gs /FPa /Fm /G1 /AL HELLO.c
Microsoft (R) C Optimizing Compiler Version 6.00
Copyright (c) Microsoft Corp 1984-1990. All rights reserved.

HELLO.c

D:\7188e\MiniOS7\demo\MSC\Hello>link /MA /NOE /NOI HELLO,,,,..\lib\7188el;

Microsoft (R) Segmented-Executable Linker  Version 5.10
Copyright (C) Microsoft Corp 1984-1990.  All rights reserved.


D:\7188e\MiniOS7\demo\MSC\Hello>del *.obj

D:\7188e\MiniOS7\demo\MSC\Hello>del *.map
D:\7188e\MiniOS7\demo\MSC\Hello>_
```

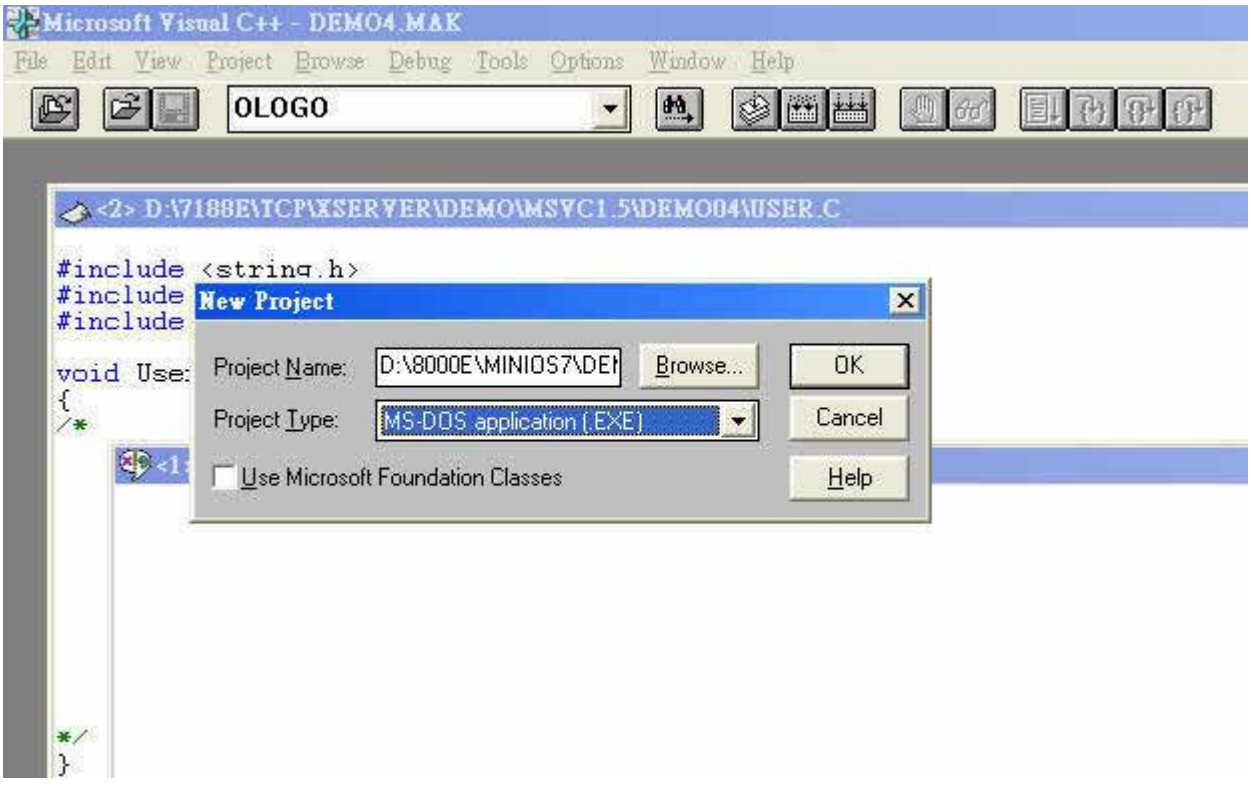
Step 3: It will create a new execute file if it compile successfully.



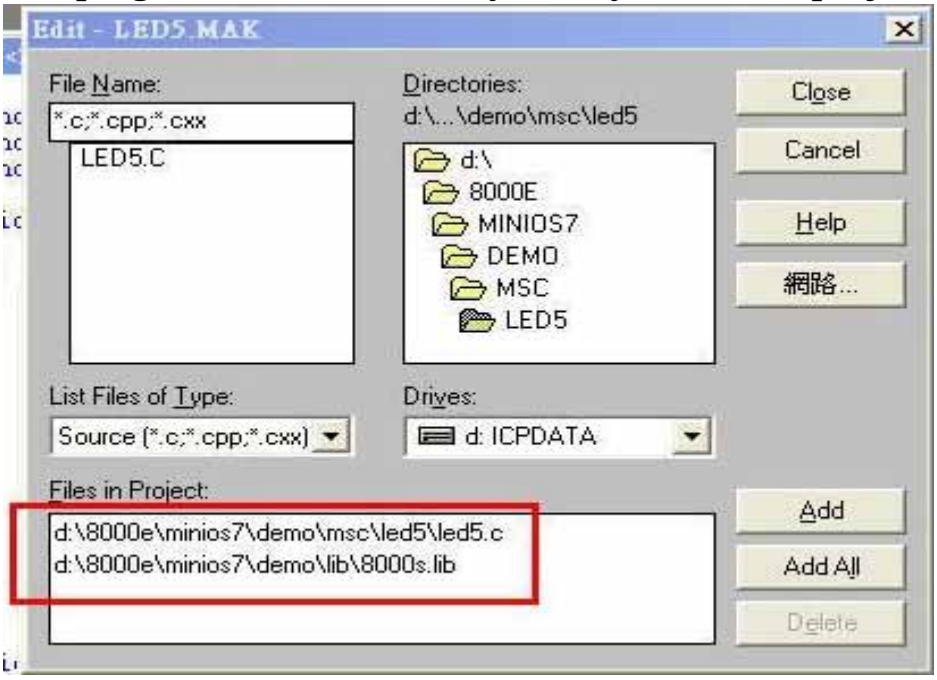
MSVC 1.50 Compiler

Step 1: Run MSVC.exe

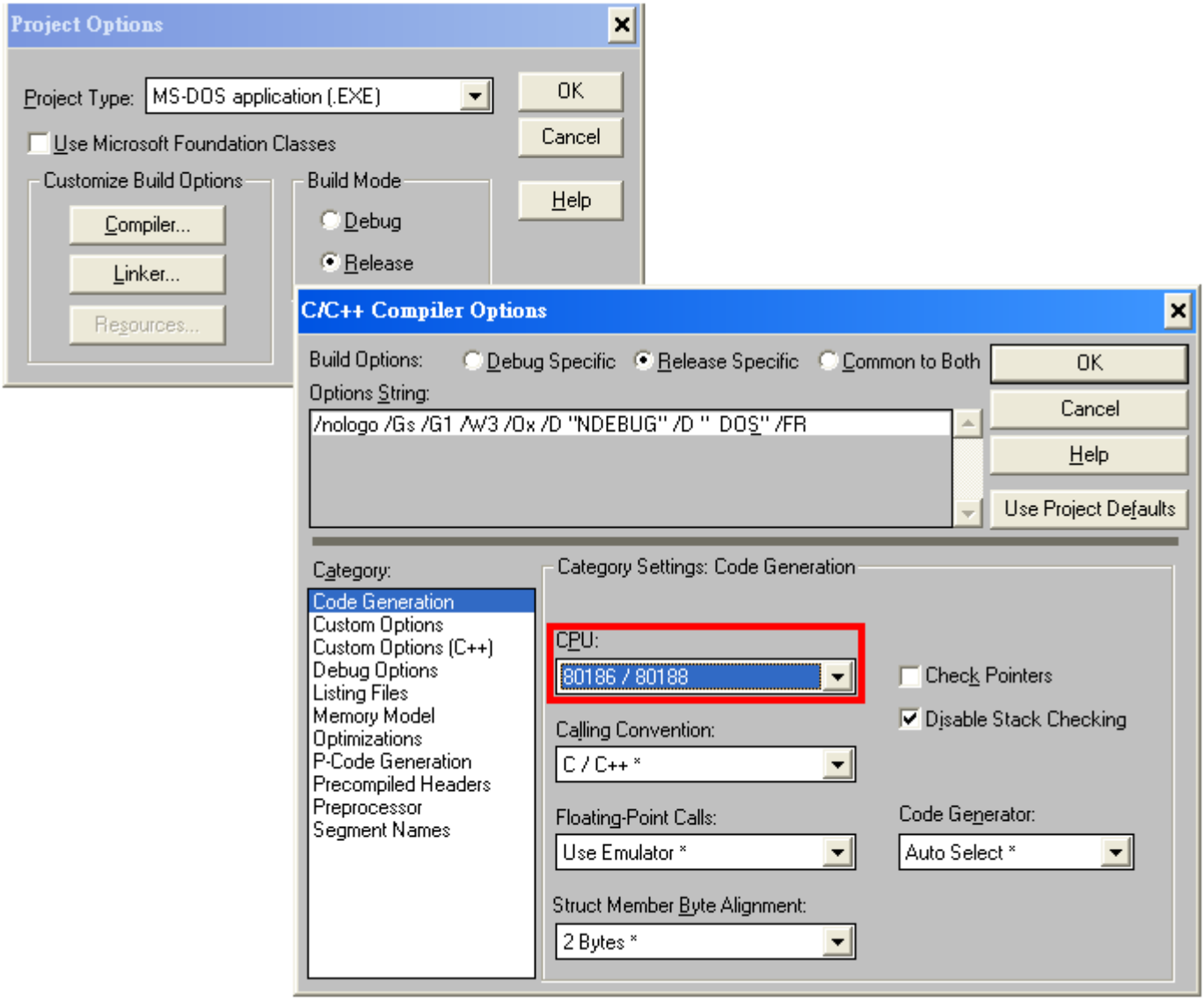
Step 2: Create a new project (*.mak) on the Project Name and select Project type as MS-DOS application (EXE).



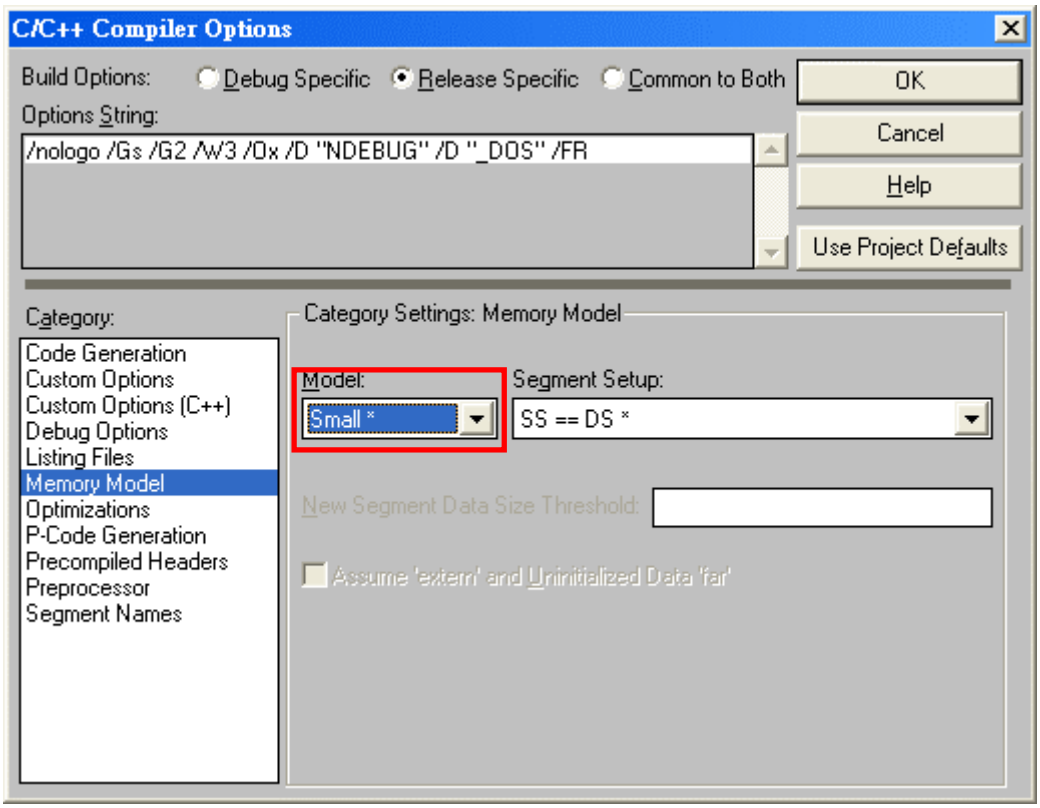
Step 3: Add the user's program and the necessary library files to the project.



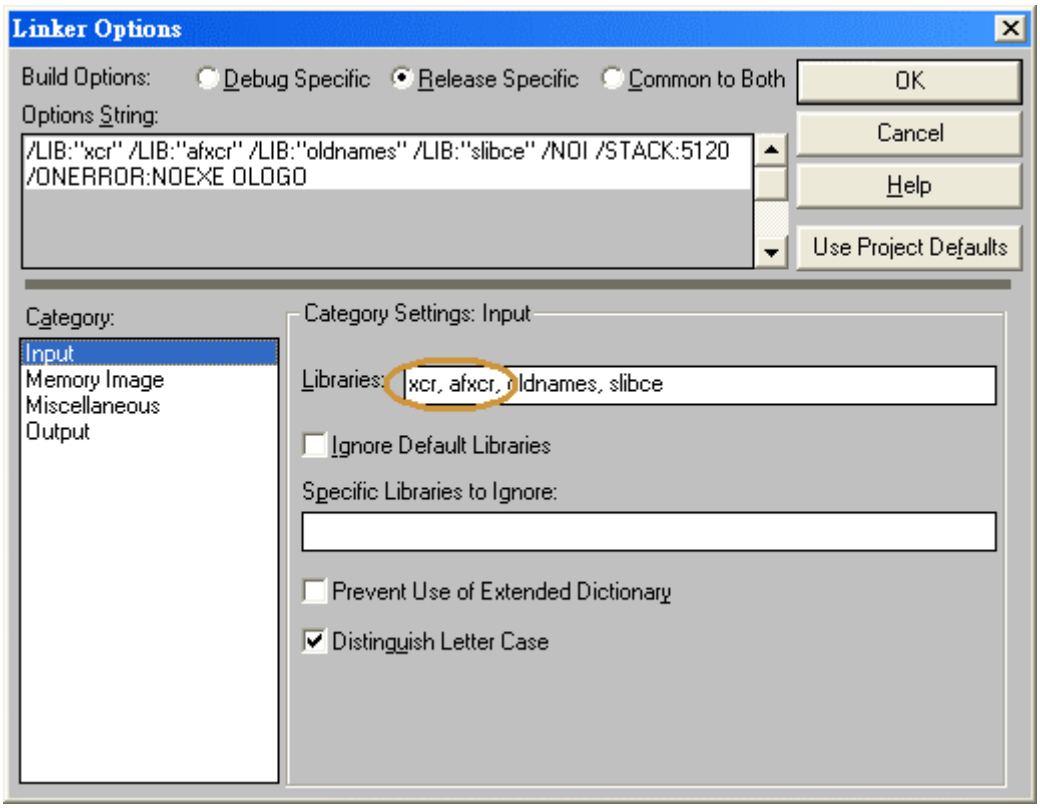
Step 4: Set Code Generation on the Compiler.

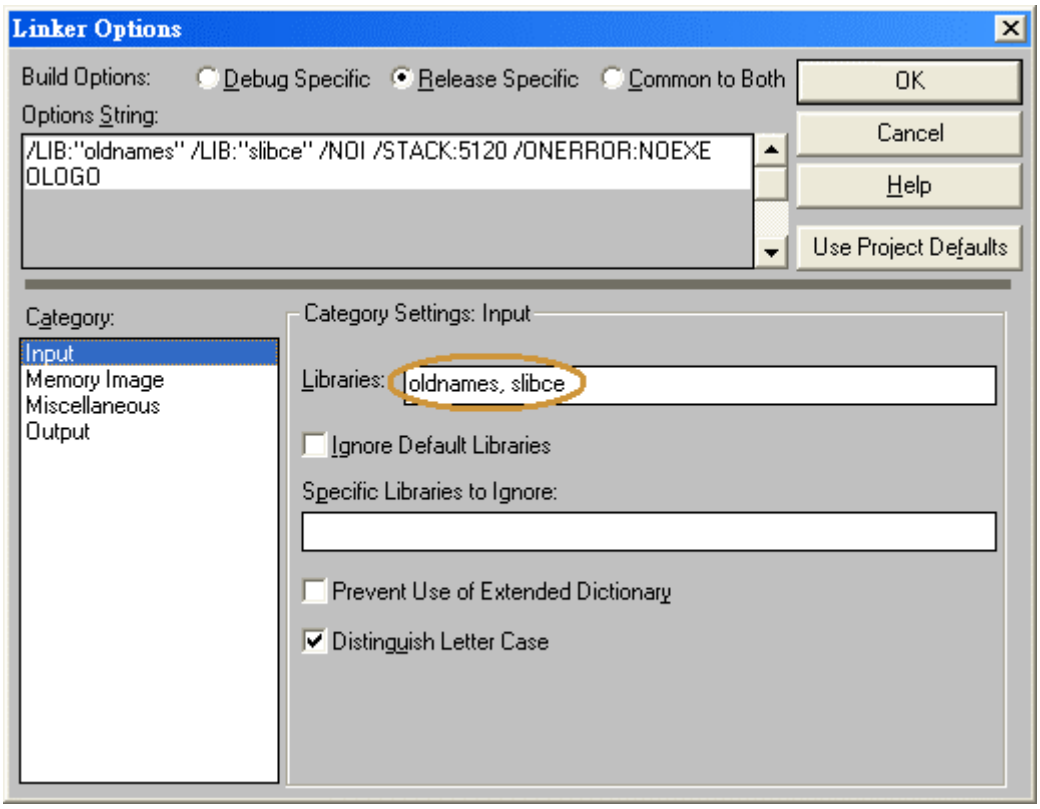


Step 5: Change the Memory model (8000s.lib\7188es.lib for Small, 8000l.lib\7188el.lib for large).

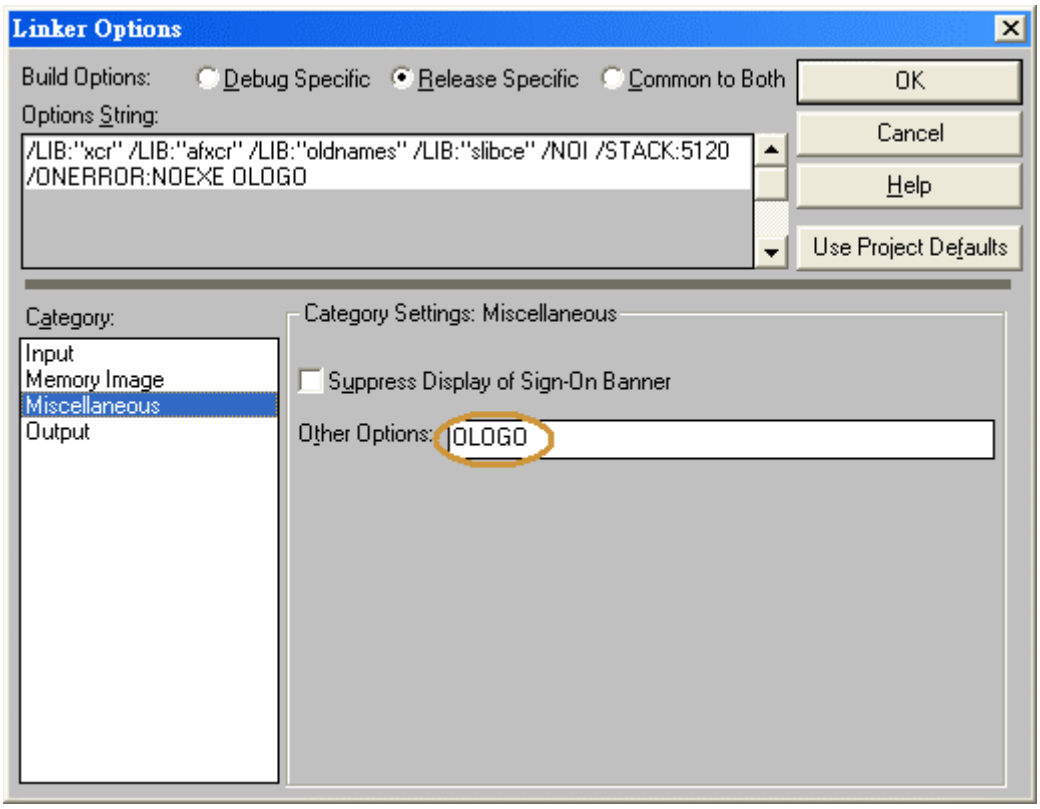


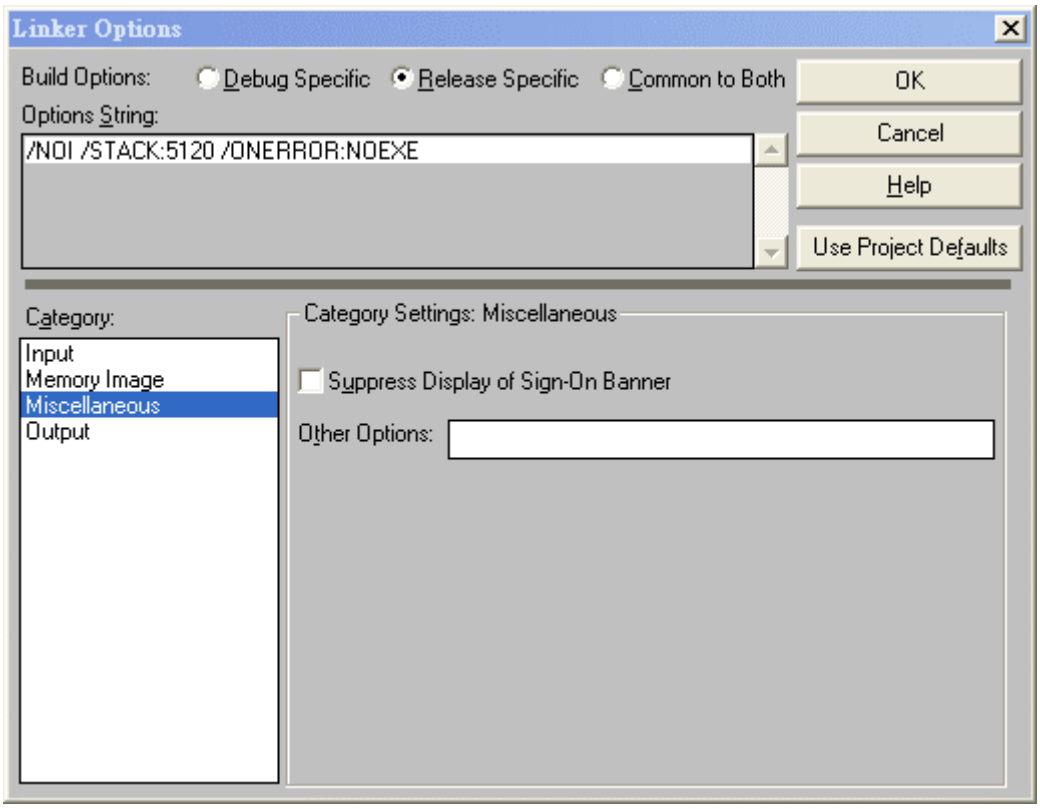
Step 6: Remove the xcr, afxcr library from Input Category.



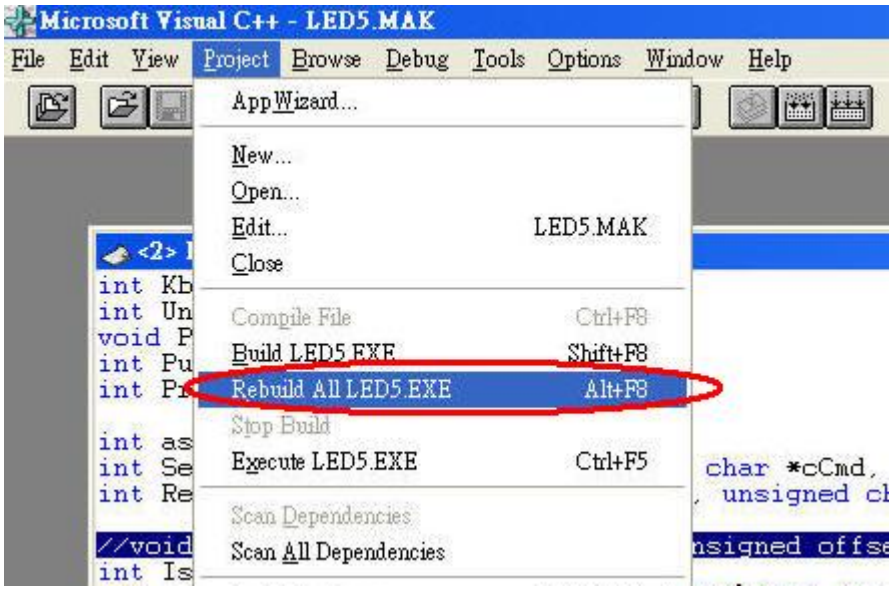


Step 7: Remove the OLOGO option from Input Category.



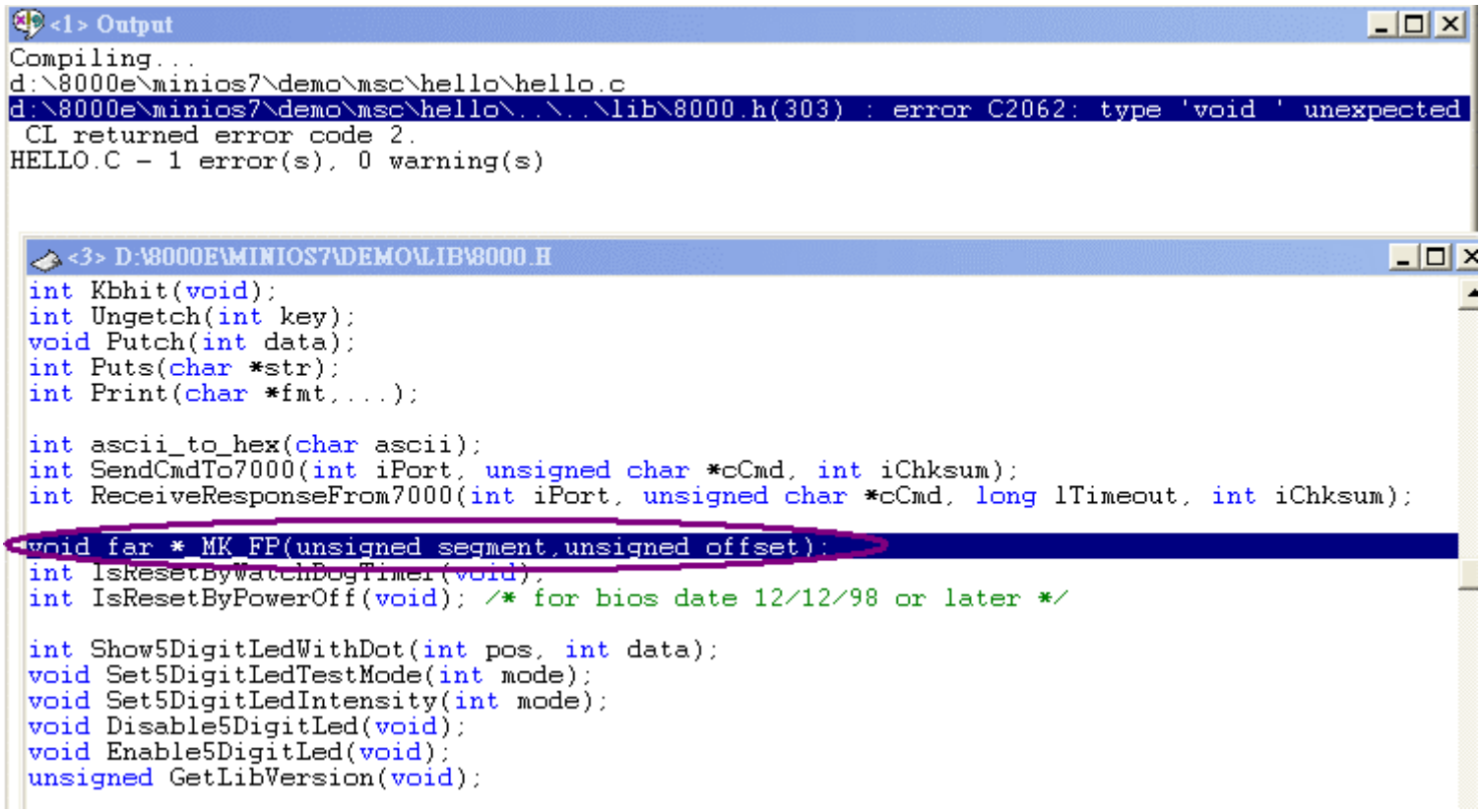


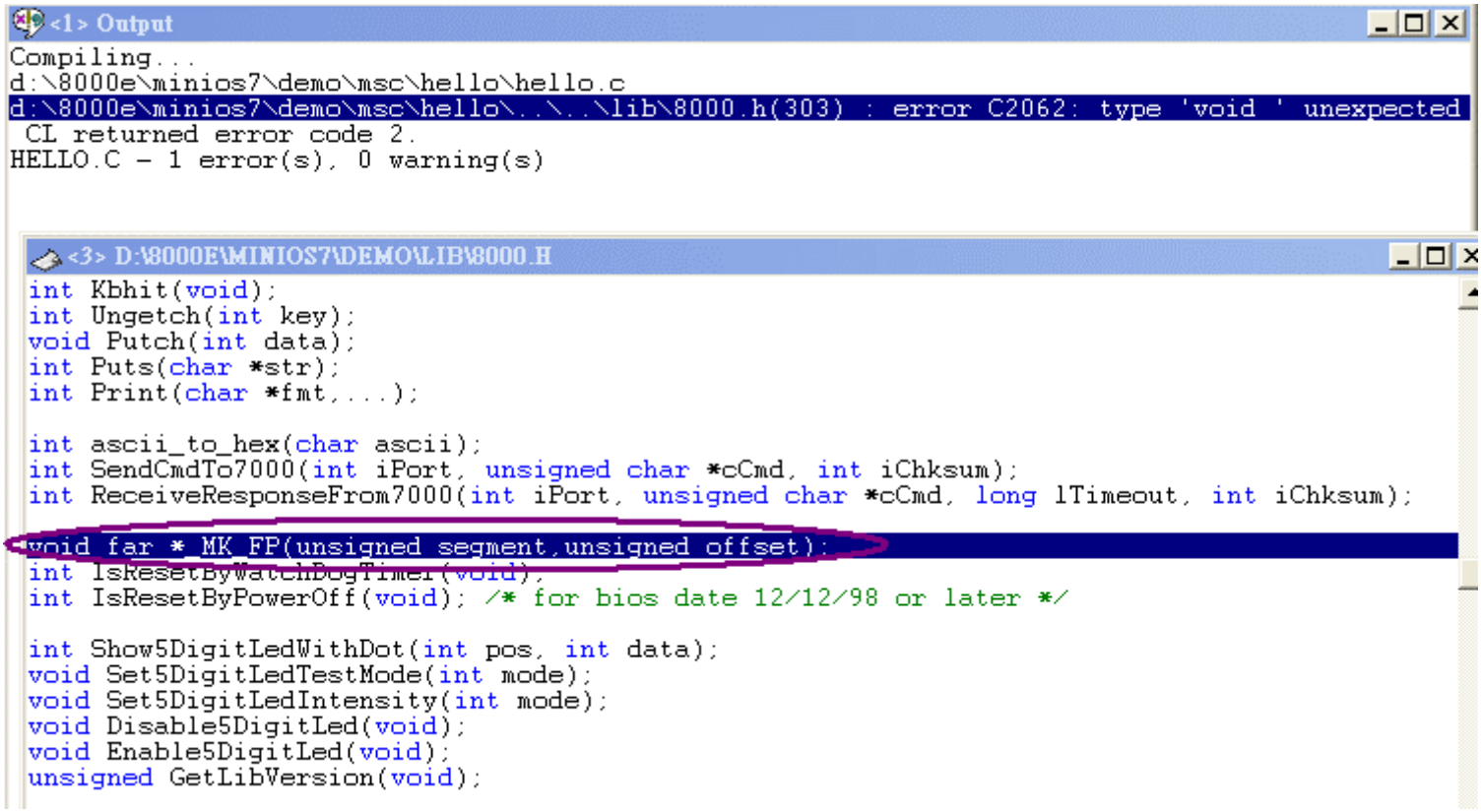
Step 8: Rebuild this project.




```
<1> Output
Initializing...
Compiling...
d:\8000e\minios7\demo\msc\led5\led5.c
Linking...

Microsoft (R) Segmented Executable Linker  Version 5.60
Copyright (C) Microsoft Corp 1984-1993.  All rights reserved.

Object Modules [.obj]: /NOI /STACK:5120 /ONERROR:NOEXE   LED5.OBJ +
Object Modules [.obj]:
Run File [LED5.exe]: LED5.EXE
List File [d:LED5.map]: nul
Libraries [.lib]: c:\msvc\lib\+
Libraries [.lib]: c:\msvc\mfc\lib\+
Libraries [.lib]: ..\..\LIB\8000S.LIB+
Libraries [.lib]: oldnames+
Libraries [.lib]: slibce;
Creating browser database...
LED5.EXE - 0 error(s), 0 warning(s)
```

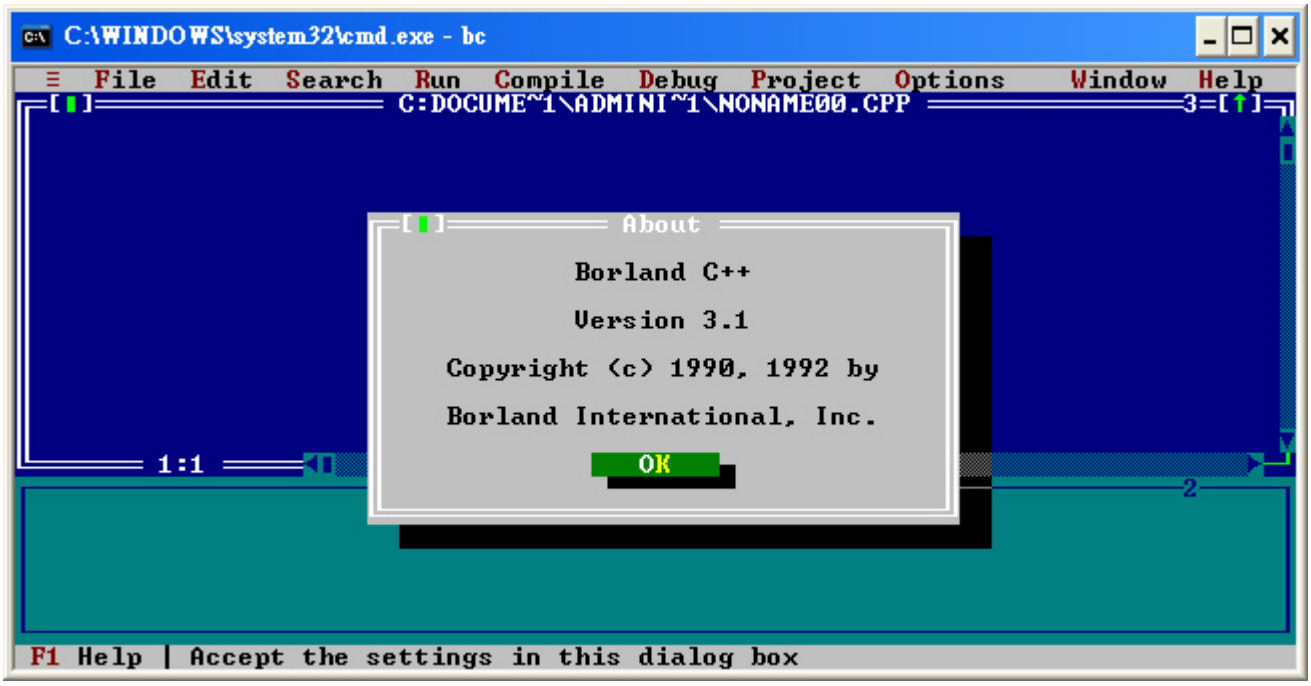
NOTE: If the error happens as compiling, please remark the //void far *_MK_FP(unsigned segment, unsigned offset); on 8000.h.



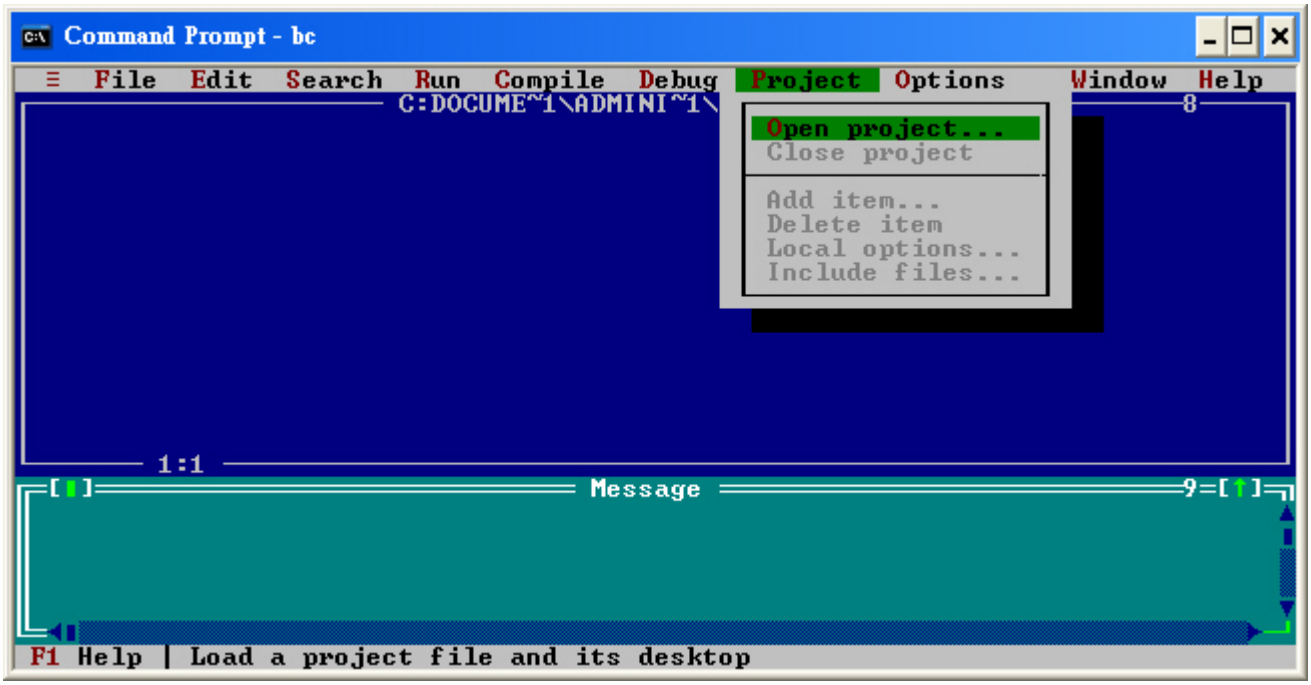


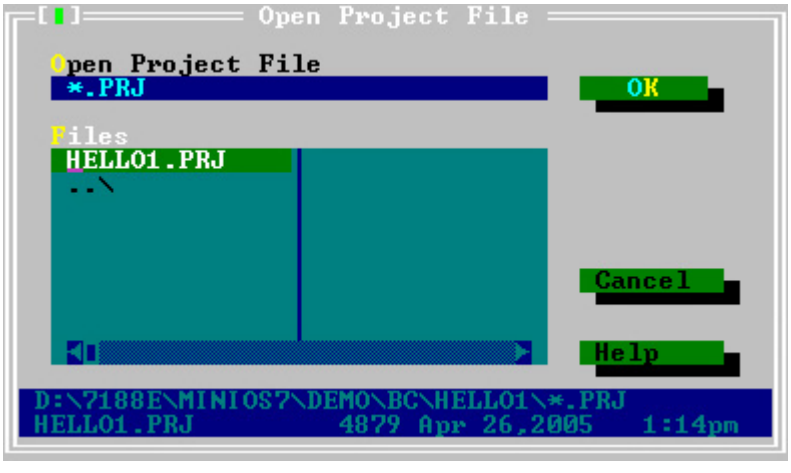
BC++ 3.1's IDE

Step 1: Run Borland C++ 3.1.

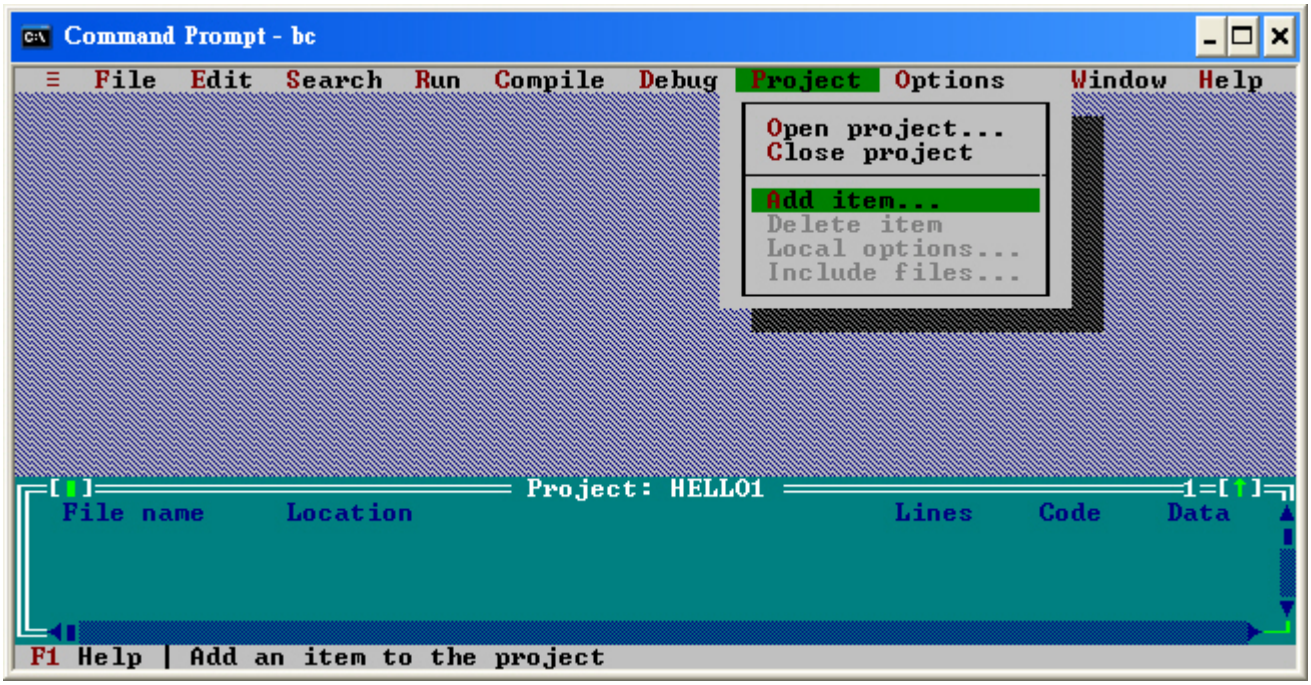


Step 2: Create a new project file (*.prj).

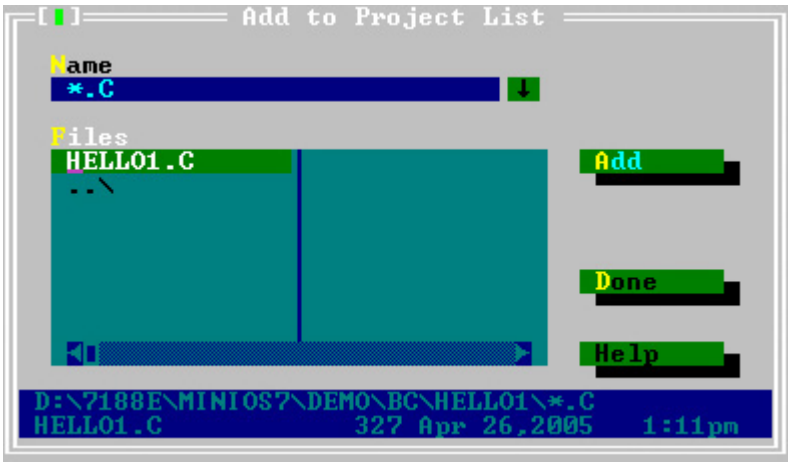




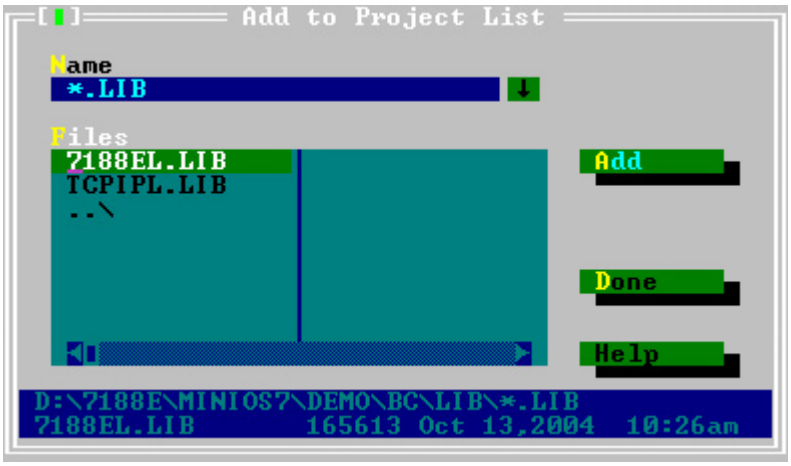
Step 3: Add all necessary files into the project.



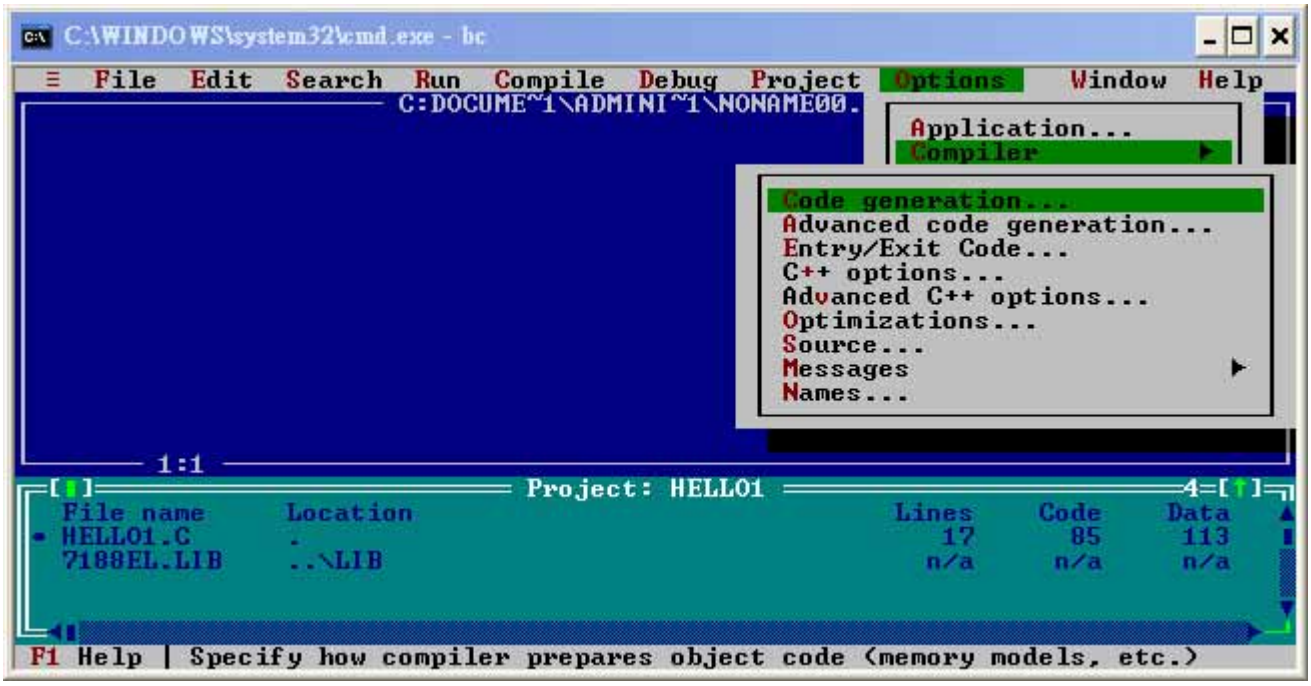
3.1 Select the source file.



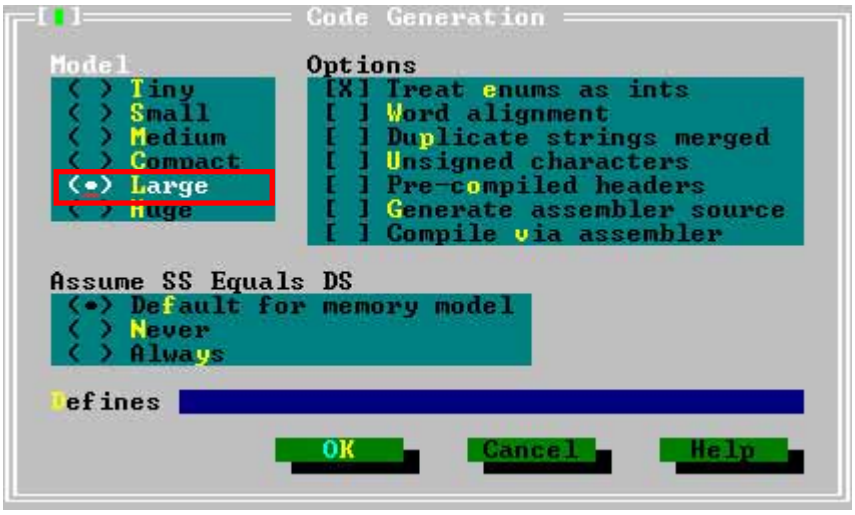
3.2 Select the function library and then click on the “Done” button.



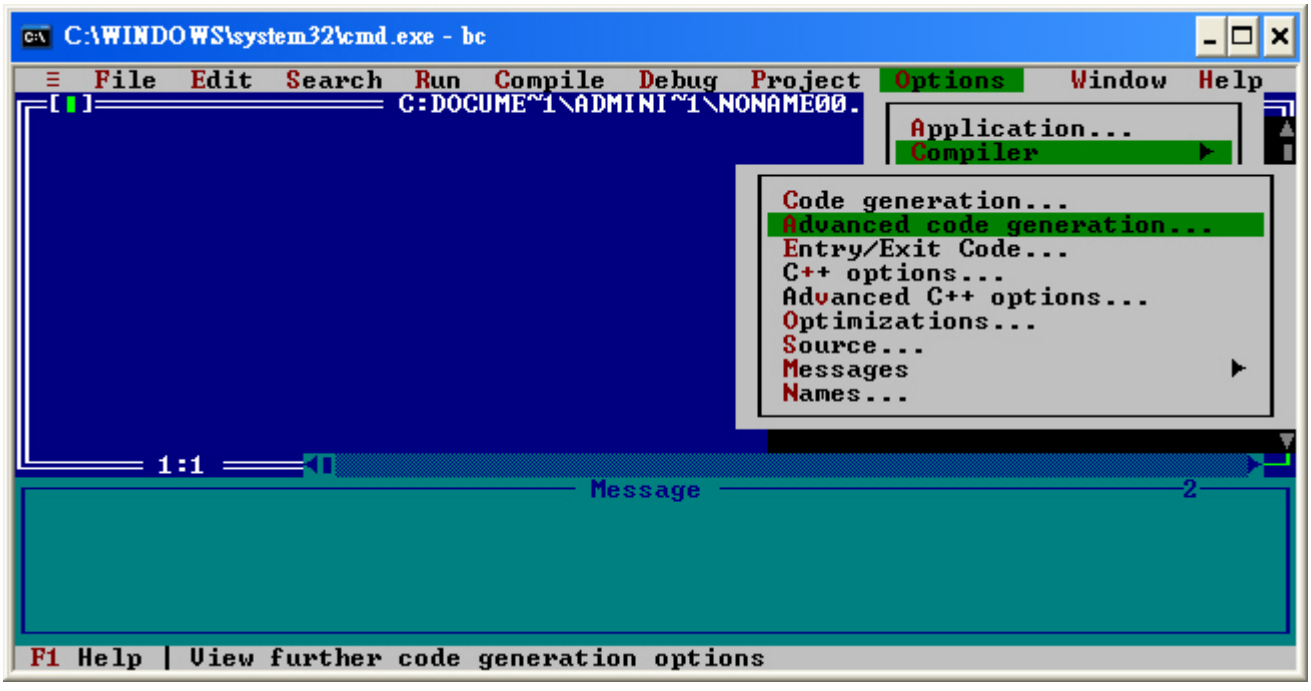
Step 4: Set Code generation options.



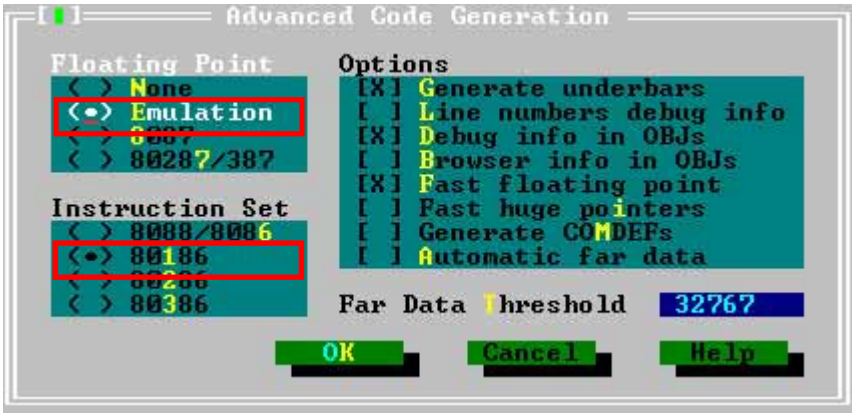
4.1 Change the Memory model (8000s.lib/7188es.lib for Small, 8000l.lib/7188el.lib for large).



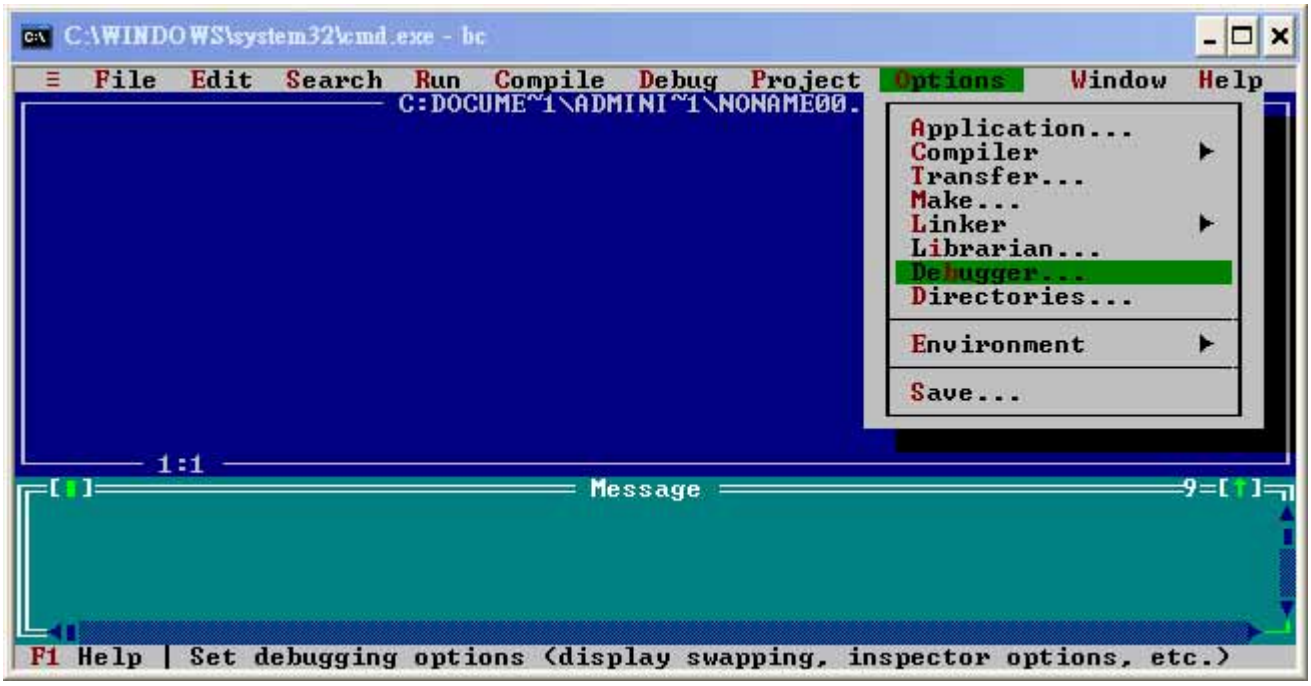
Step 5: Set Advanced code generation options.



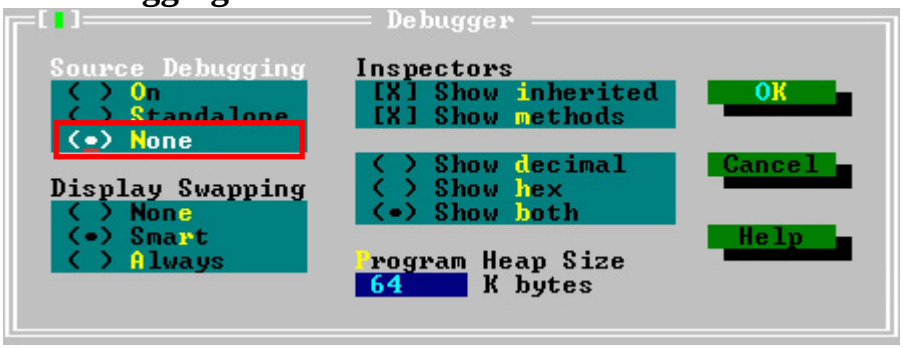
5.1 Set Floating Point to Emulation and Instruction Set to 80186.



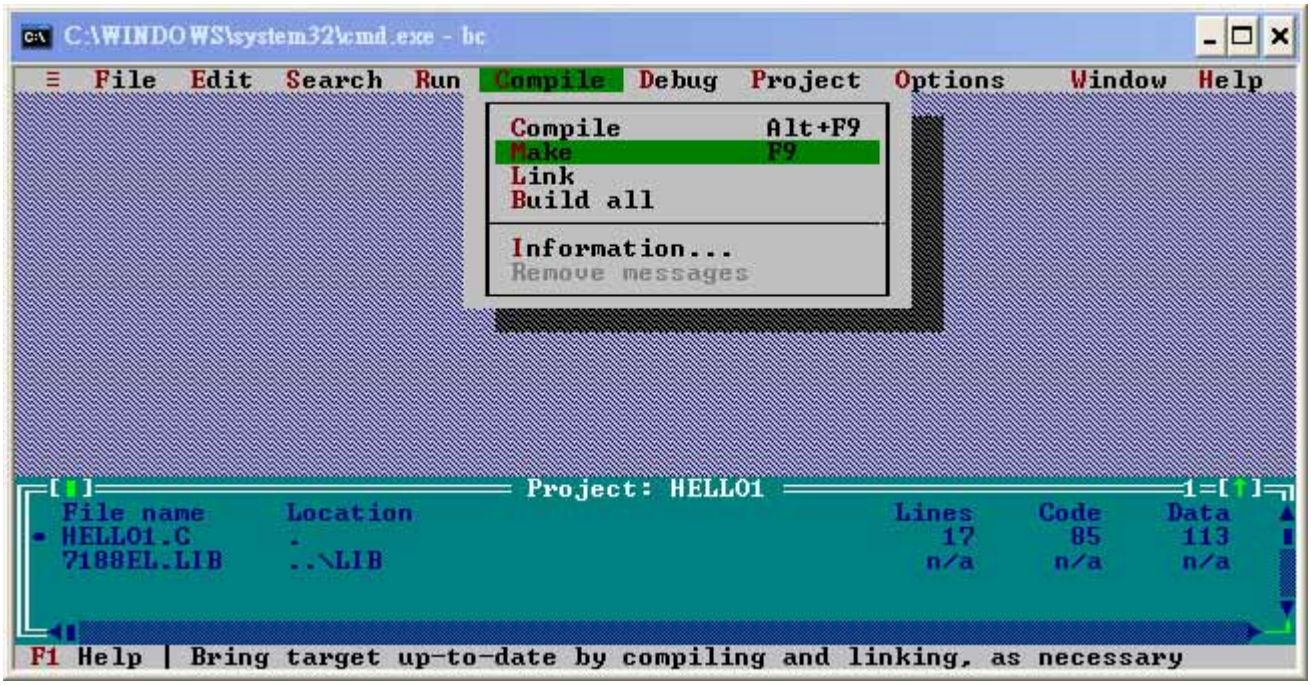
Step 6: Set Debugger Options.

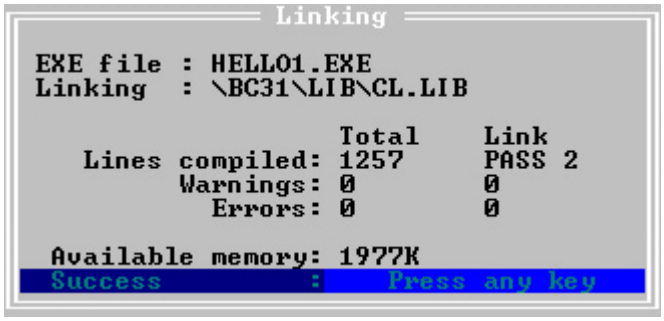


6.1 Set Source Debugging to None.



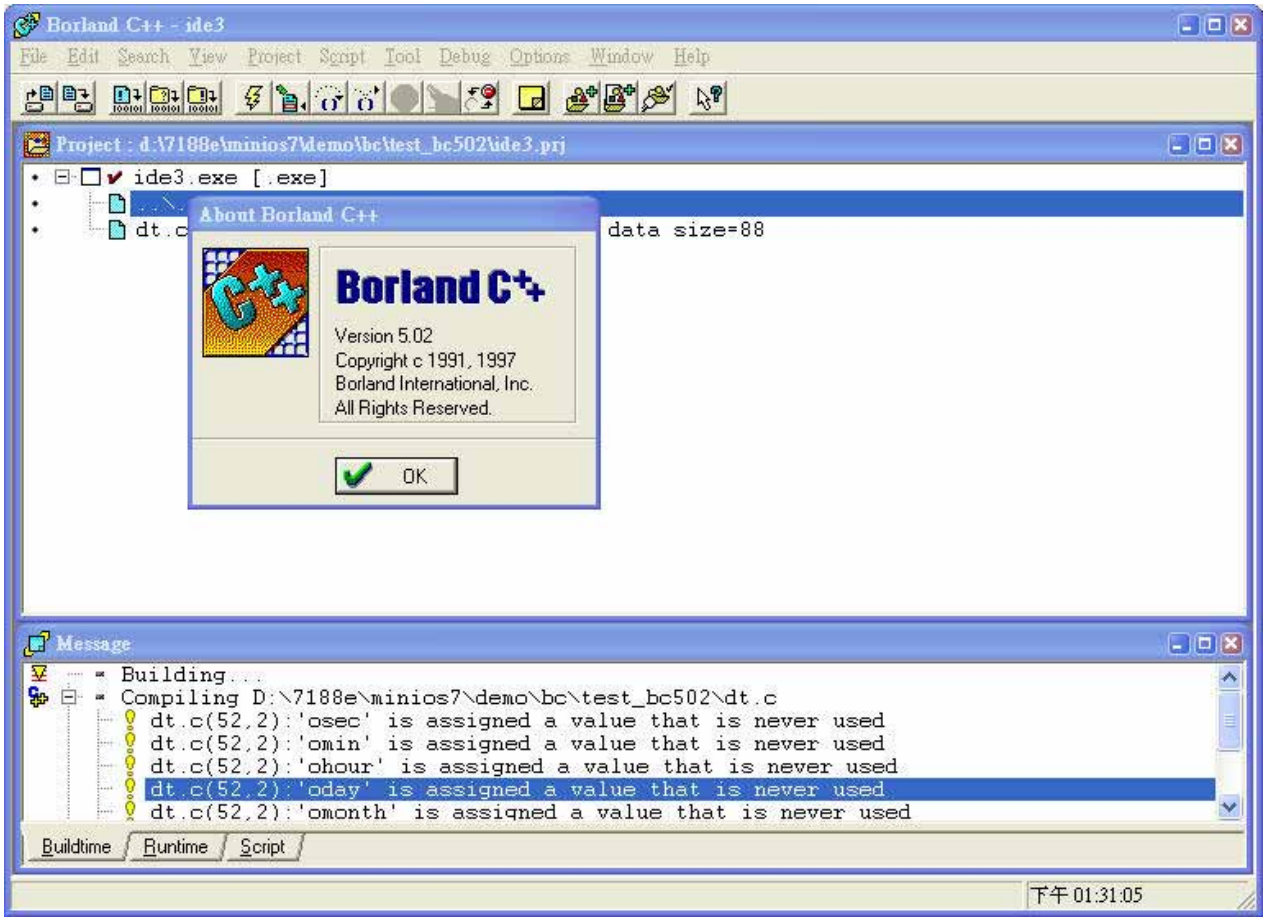
Step 7: Make the project.



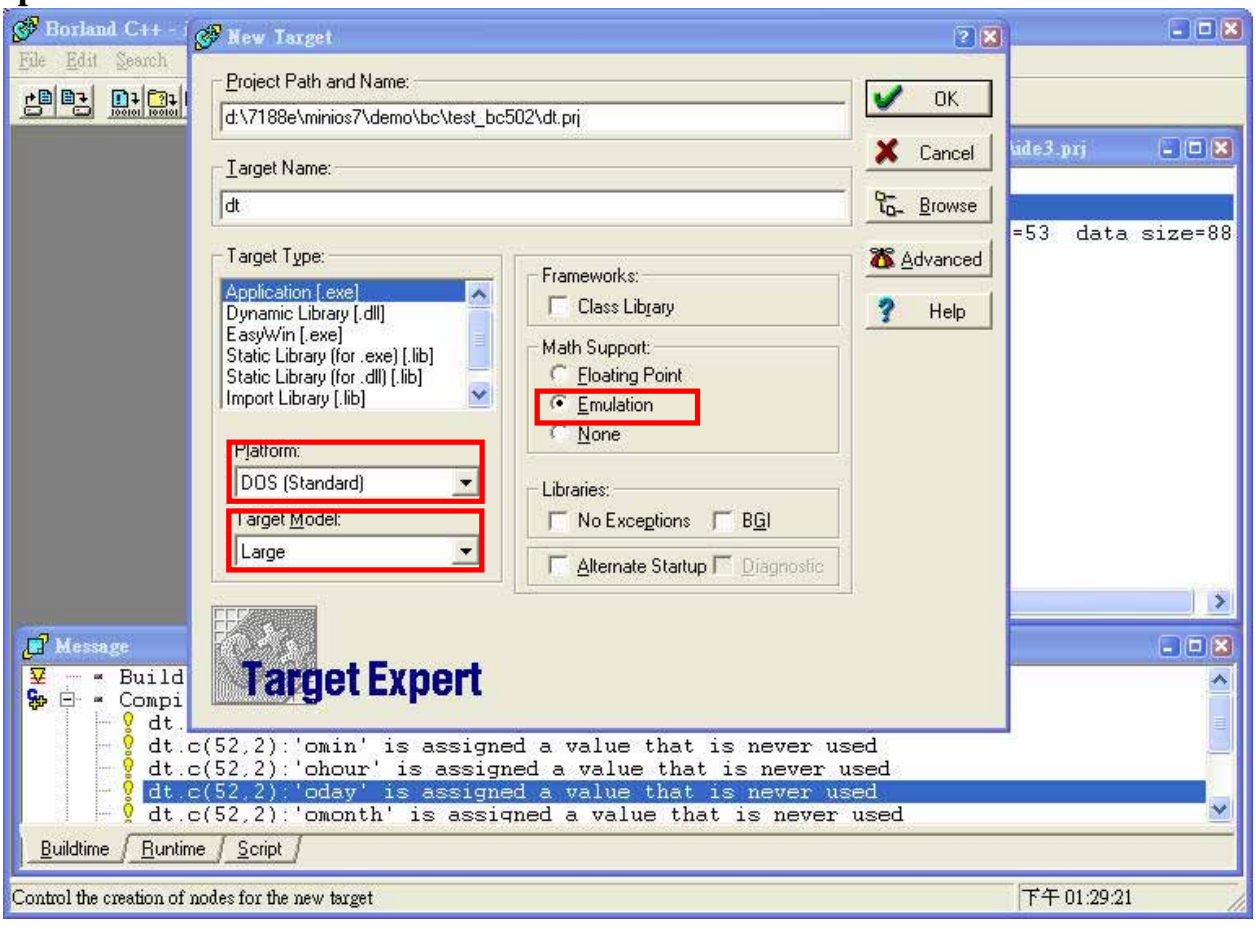


BC++ 5.02's IDE

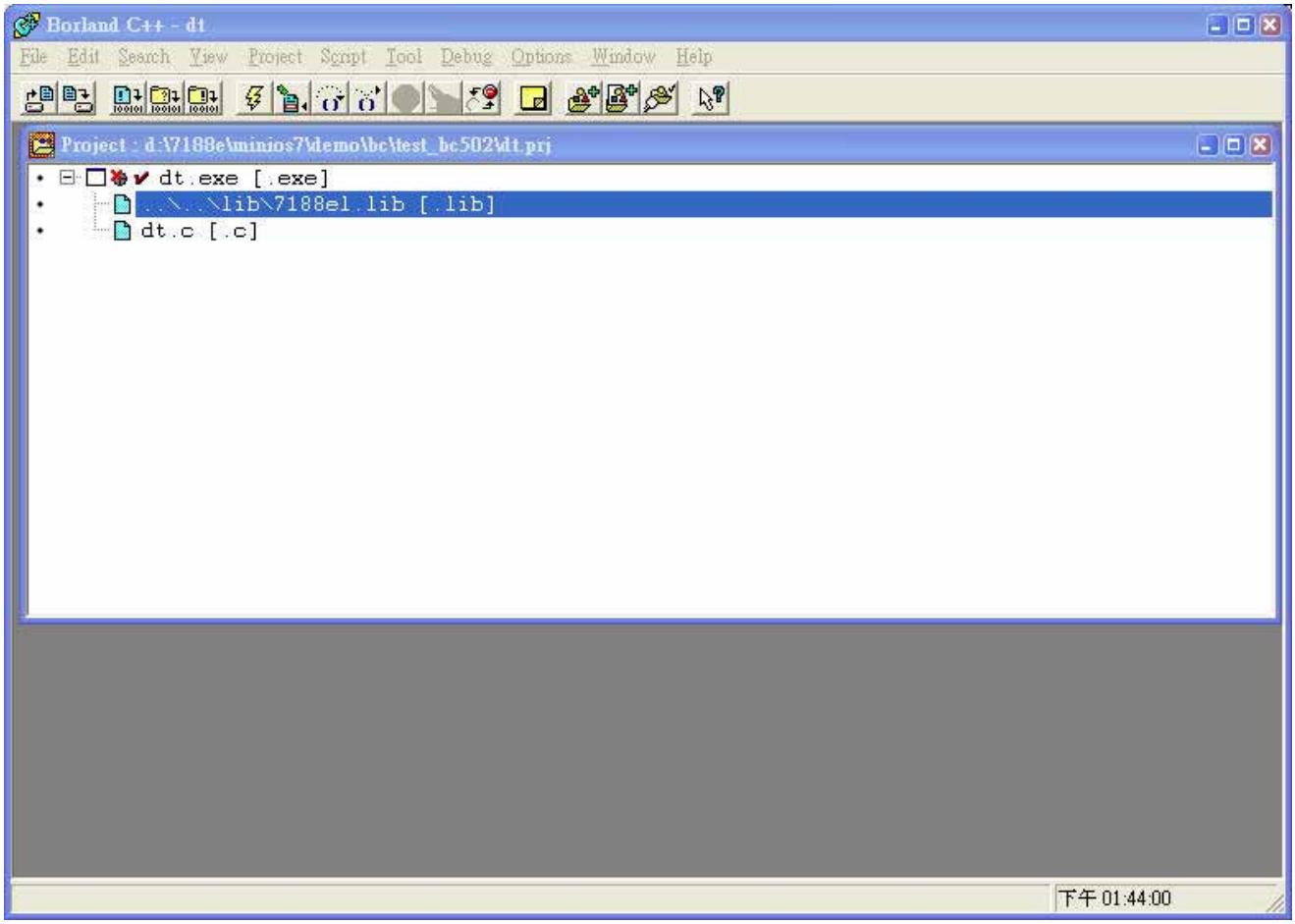
Step 1: Run BC.



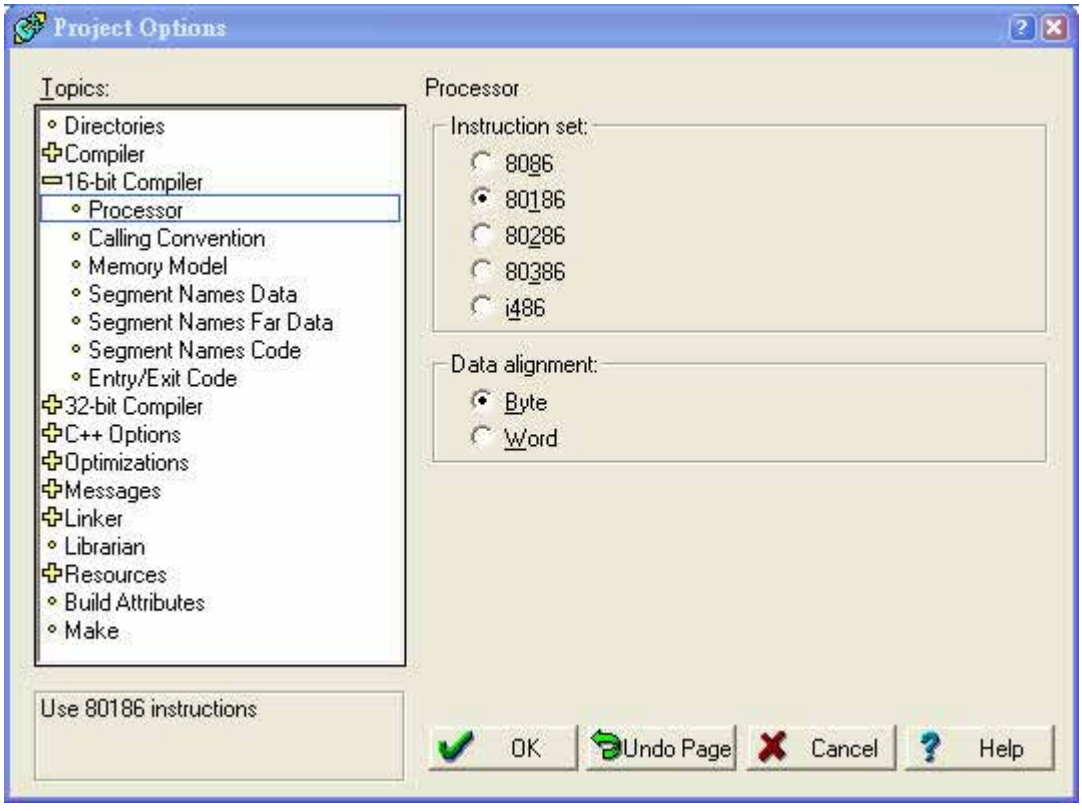
Step 2: Create a new project and set Target Type, Platform, Target Model and Math Support options.



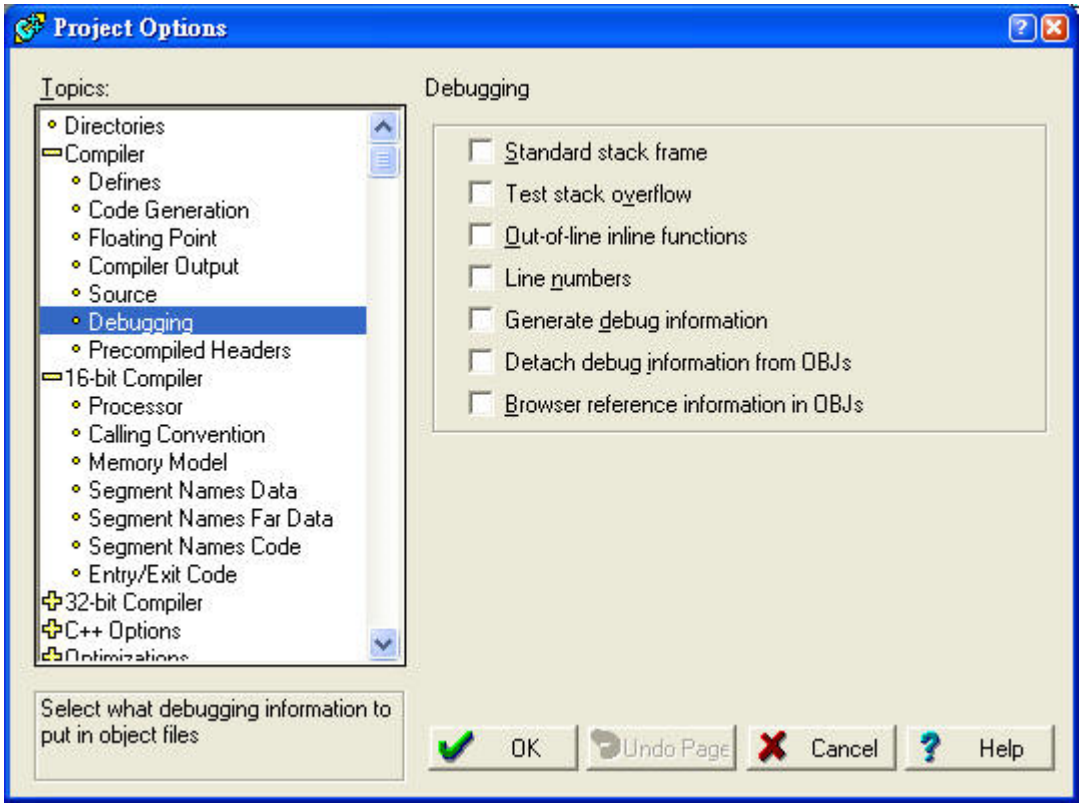
Step 3: Add all necessary files into the project.



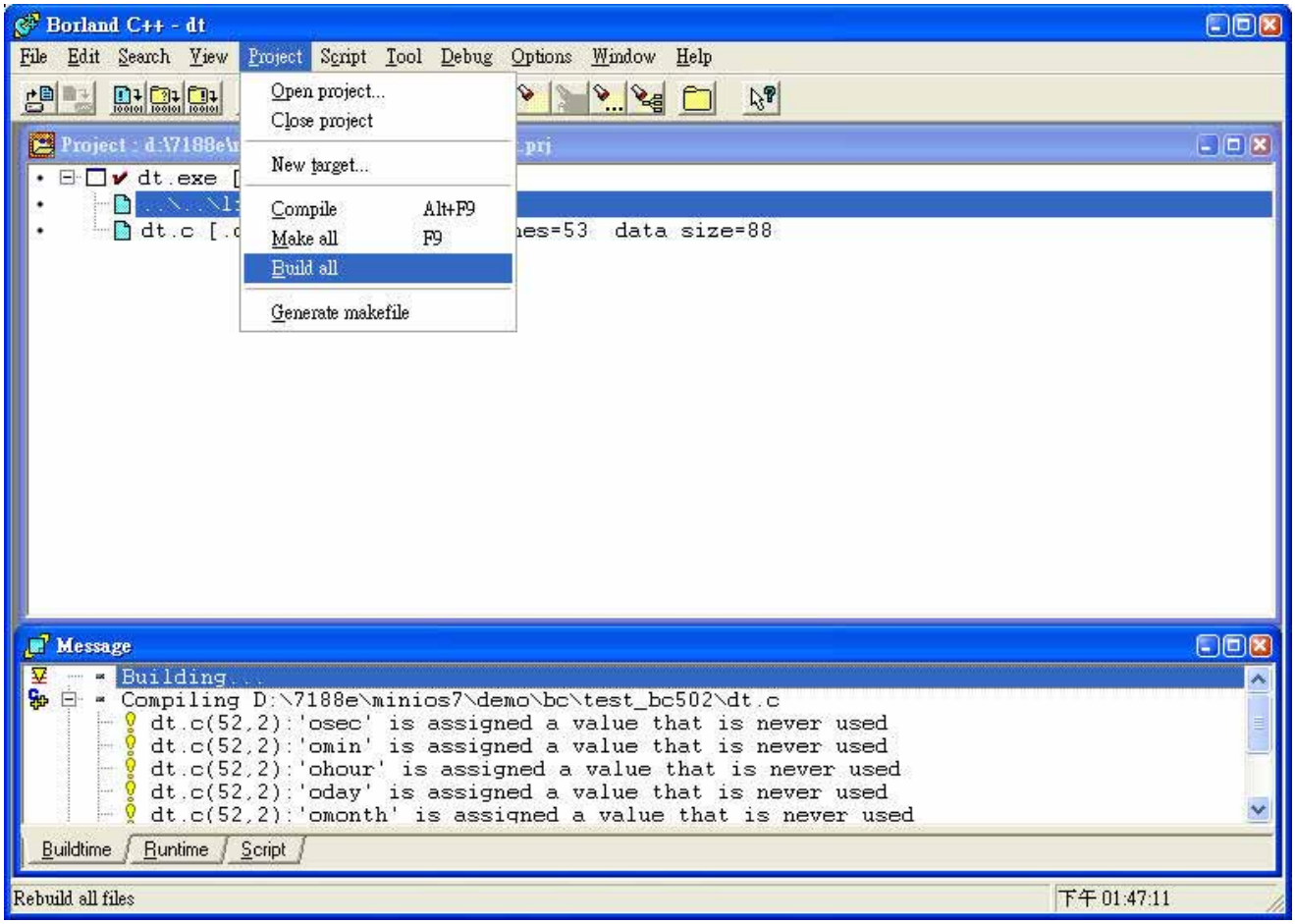
Step 4: Set Code generation options.

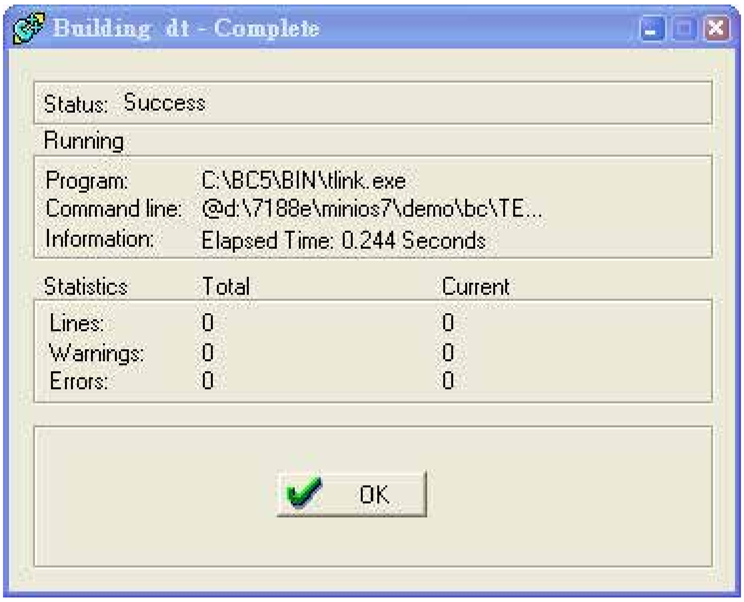


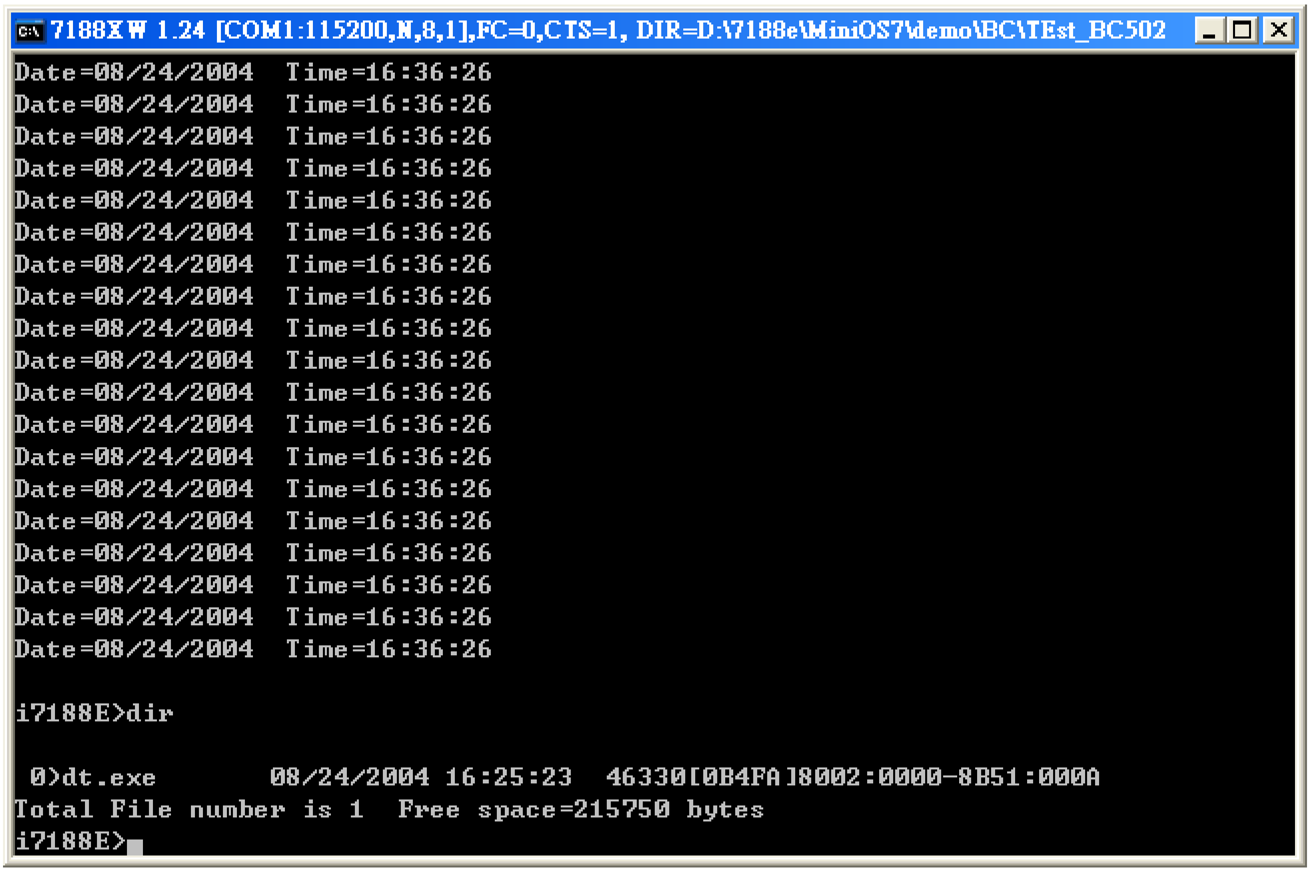
Step 5: Set Debugger options.



Step 6: Make the project.



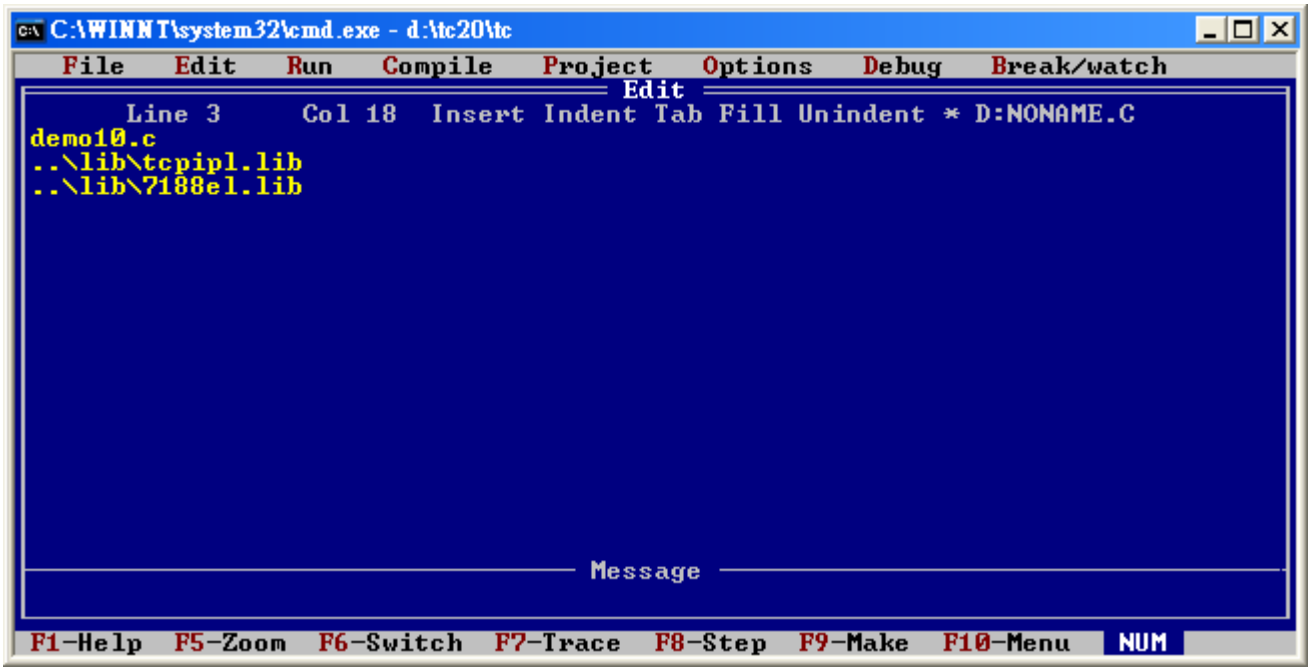

Building dt - Complete
Status: Success
Running
Program: C:\BC5\BIN\tlink.exe
Command line: @d:\7188e\minios7\demo\bc\TE...
Information: Elapsed Time: 0.244 Seconds
Statistics Total Current
Lines: 0 0
Warnings: 0 0
Errors: 0 0
OK


7188XW 1.24 [COM1:115200,N,8,1],FC=0,CTS=1, DIR=D:\7188e\MiniOS7\demo\BC\TEst_BC502
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
Date=08/24/2004 Time=16:36:26
i7188E>dir
0)dt.exe 08/24/2004 16:25:23 46330[0B4FA]8002:0000-8B51:000A
Total File number is 1 Free space=215750 bytes
i7188E>

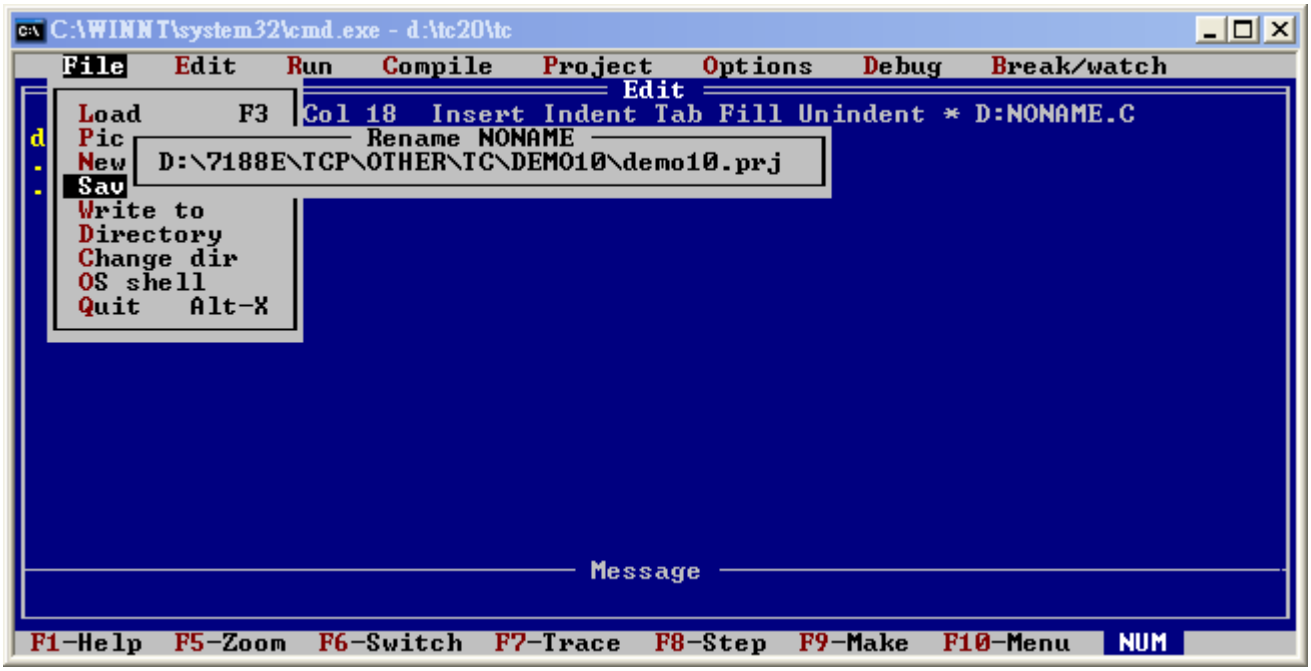
Turbo C 2.01 compiler

Step 1: Execute TC.EXE to open the TC 2.01 Integrated Environment.

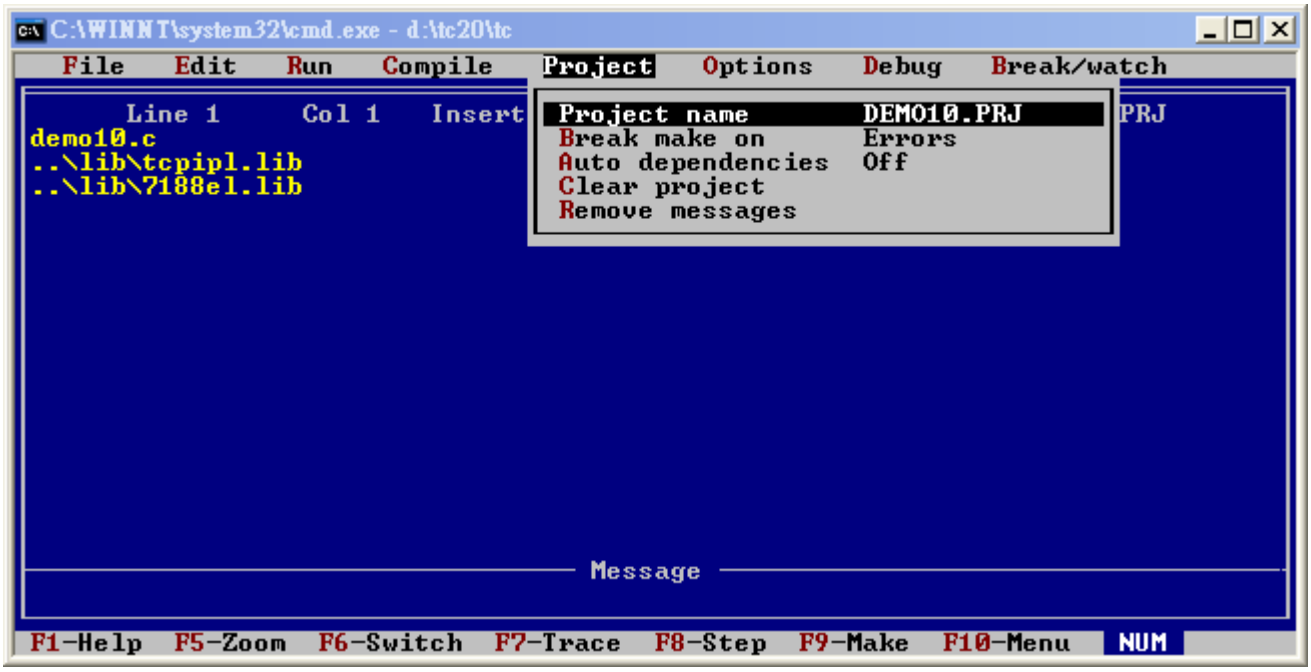
Step 2: Edit the Project file (Add the necessary library and files to the project).



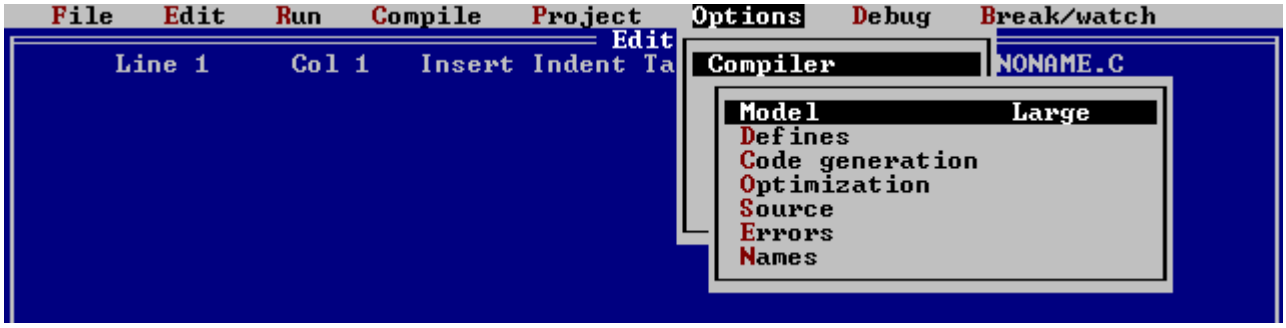
Step 3: Save as a Project, such as demo10.prj.

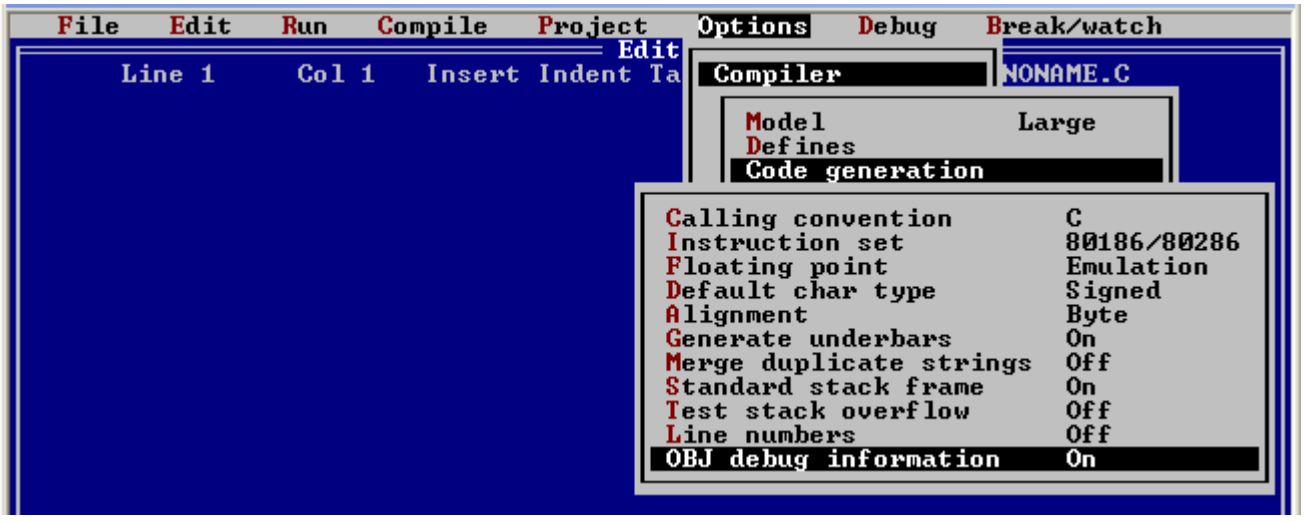


Step 4: Load the Project from the Project menu--> Project name

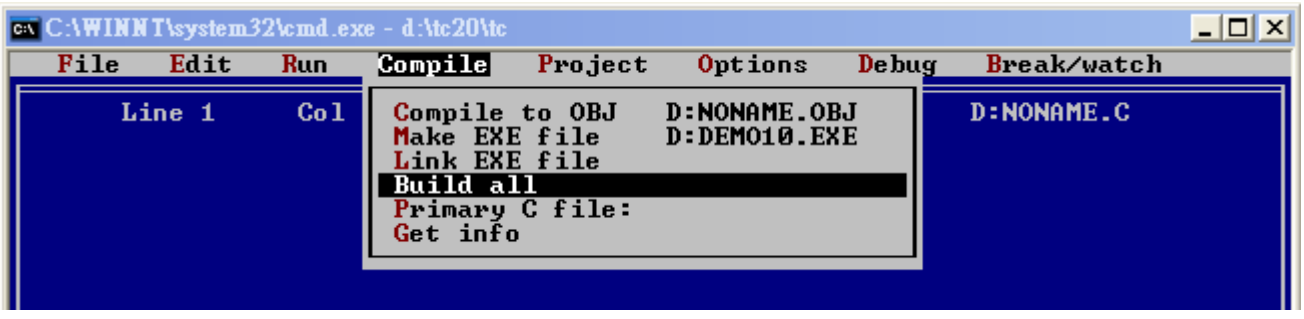


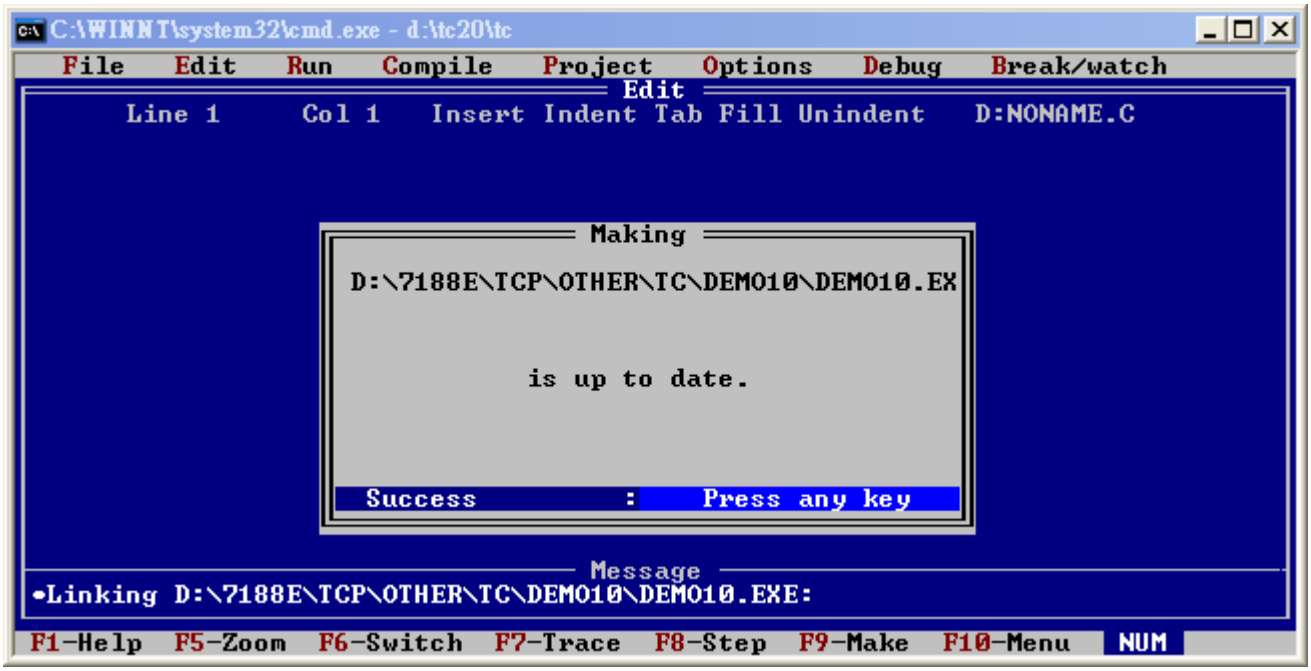
Step 5: Change the Memory model (8000s.lib/7188es.lib for Small , 8000l.lib/7188el.lig for large model) and set Code Generation to 80186/80286 on the Compiler options.





Step 6: Build this project.

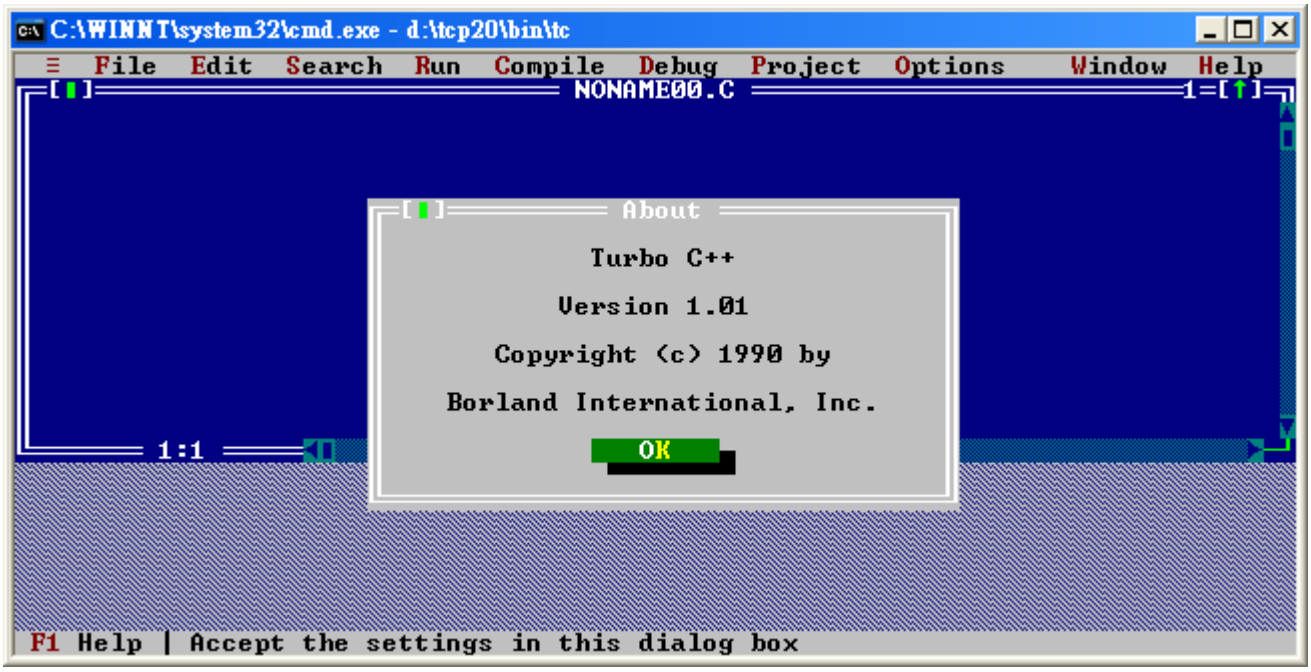



C:\WINNT\system32\cmd.exe - d:\tc20\tc
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 1 Col 1 Insert Indent Tab Fill Unindent D:NONAME.C
Making
D:\7188E\TCP\OTHER\TC\DEMO10\DEMO10.EX
is up to date.
Success : Press any key
Message
•Linking D:\7188E\TCP\OTHER\TC\DEMO10\DEMO10.EXE:
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Menu NUM

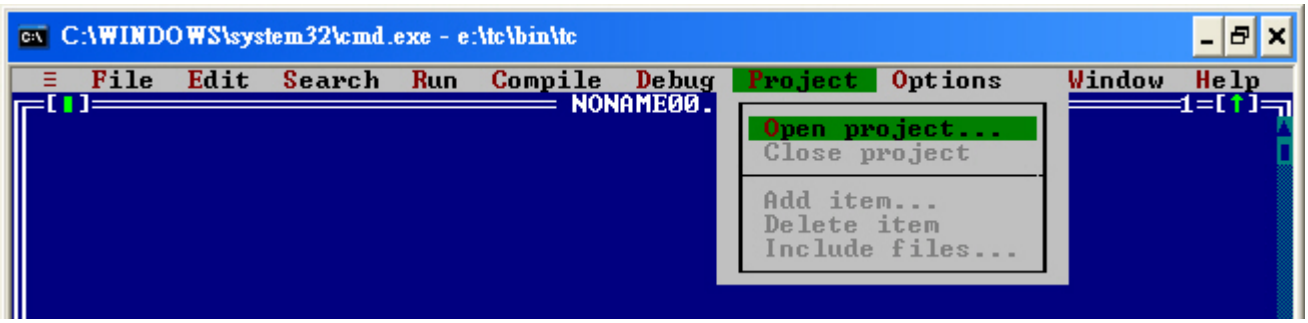
TC++ 1.01 Compiler

***Get free software from http://community.borland.com/museum**

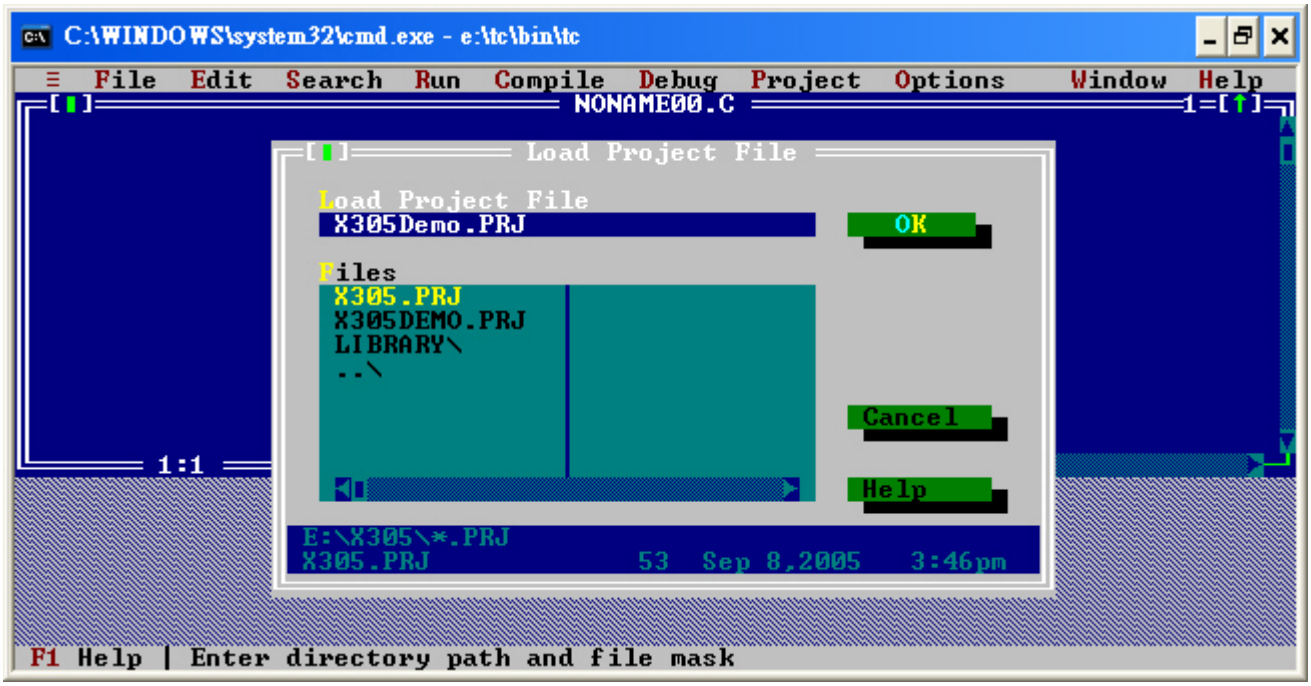
Step 1: Execute \TC\BIN\TC.EXE to open the TC++ version 1.01 Integrated Environment.



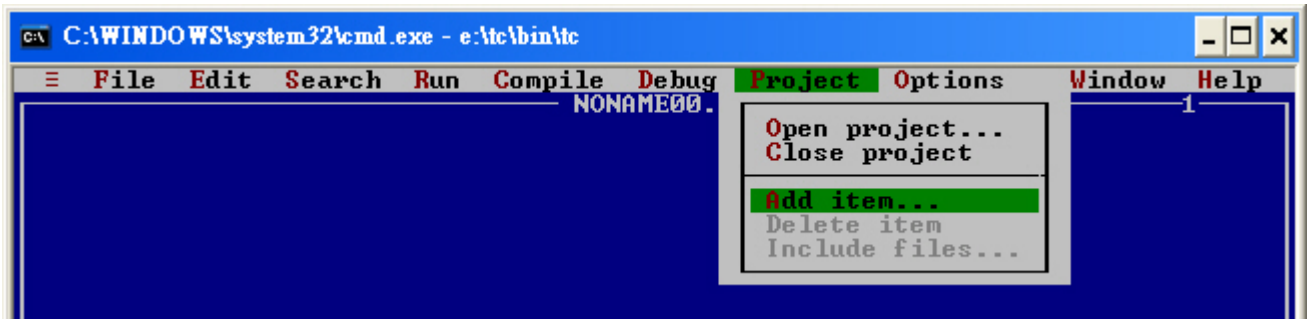
Step 2: Create a new project file (*.prj).



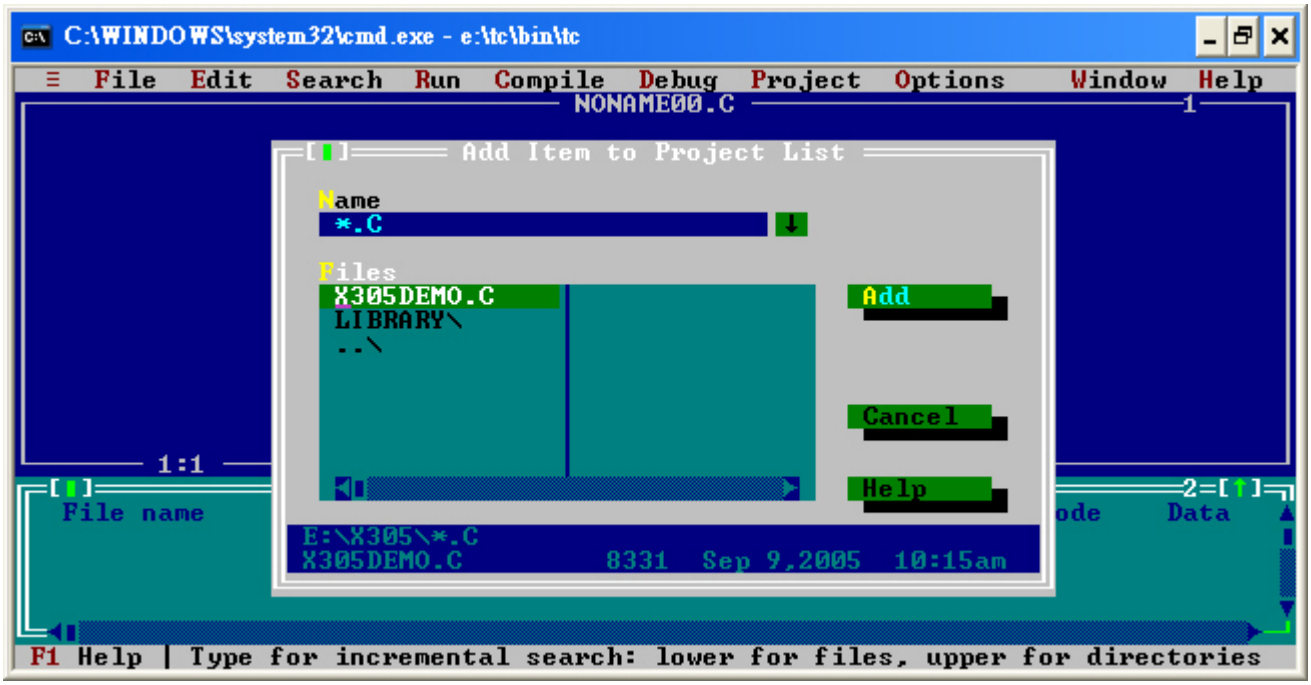
2.1 Input the name of project file and then click on the “OK” button.



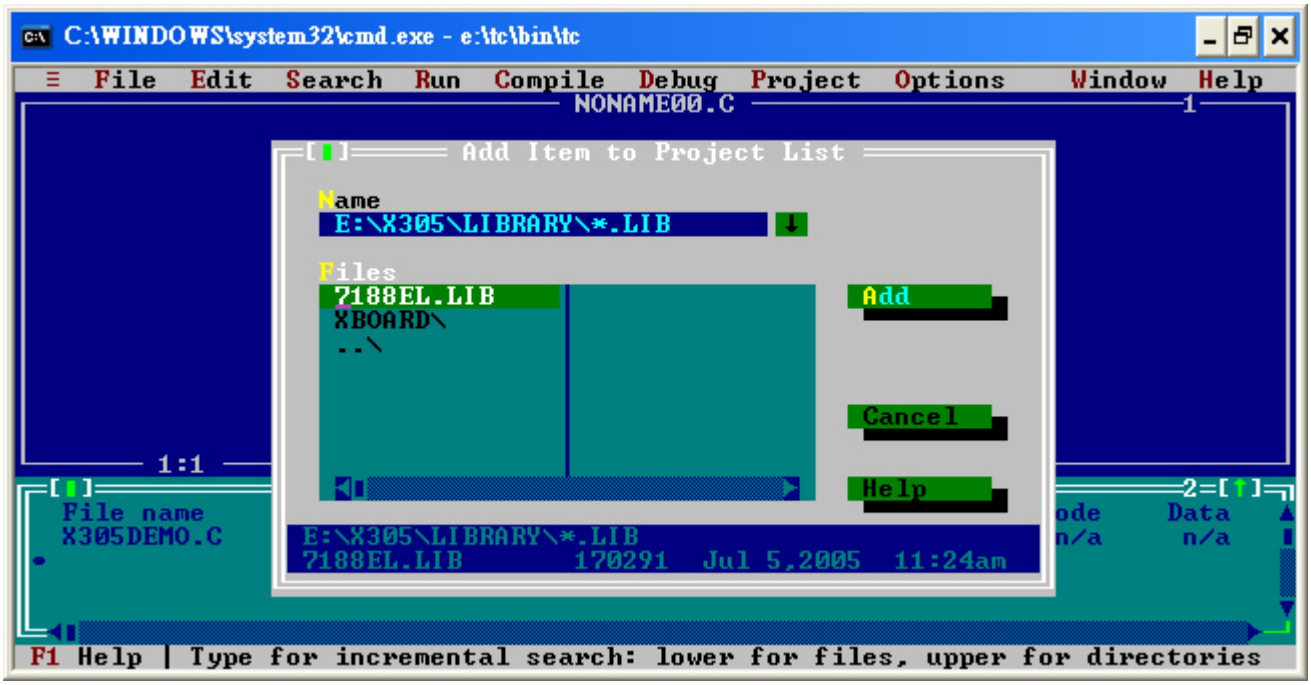
Step 3: Add all necessary files into the project.



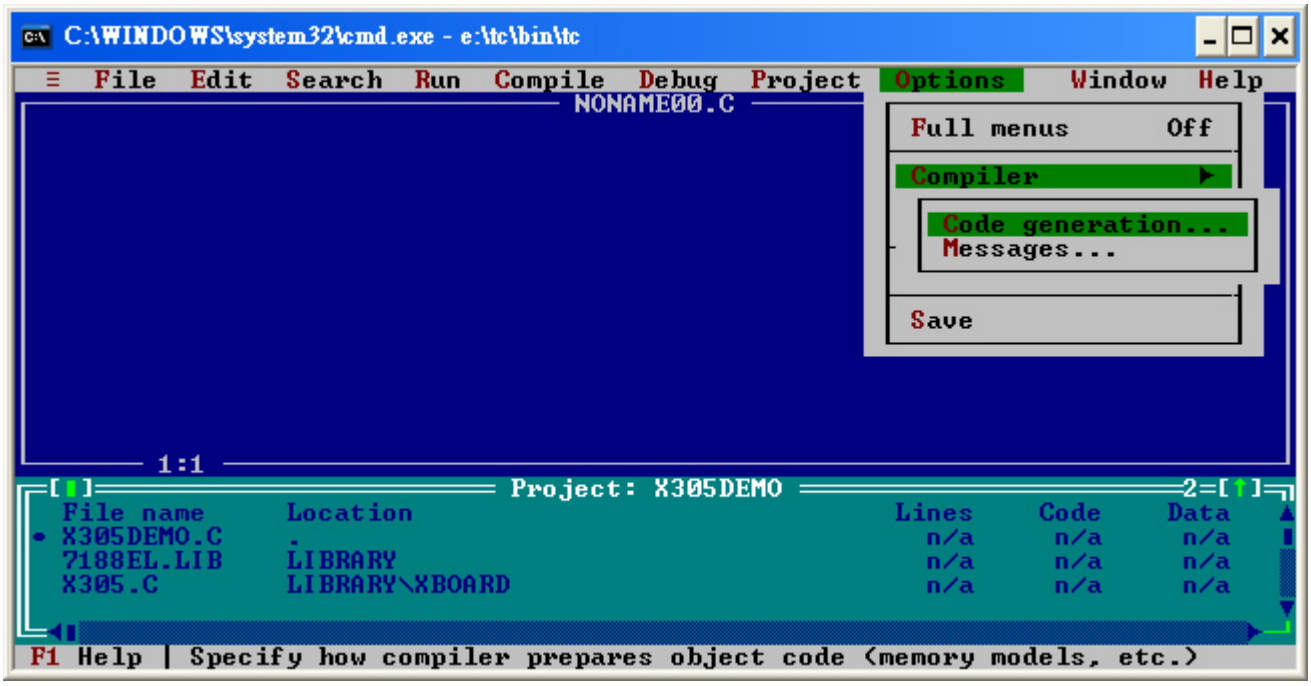
3.1 Select the source file and then click on the “Add” button.



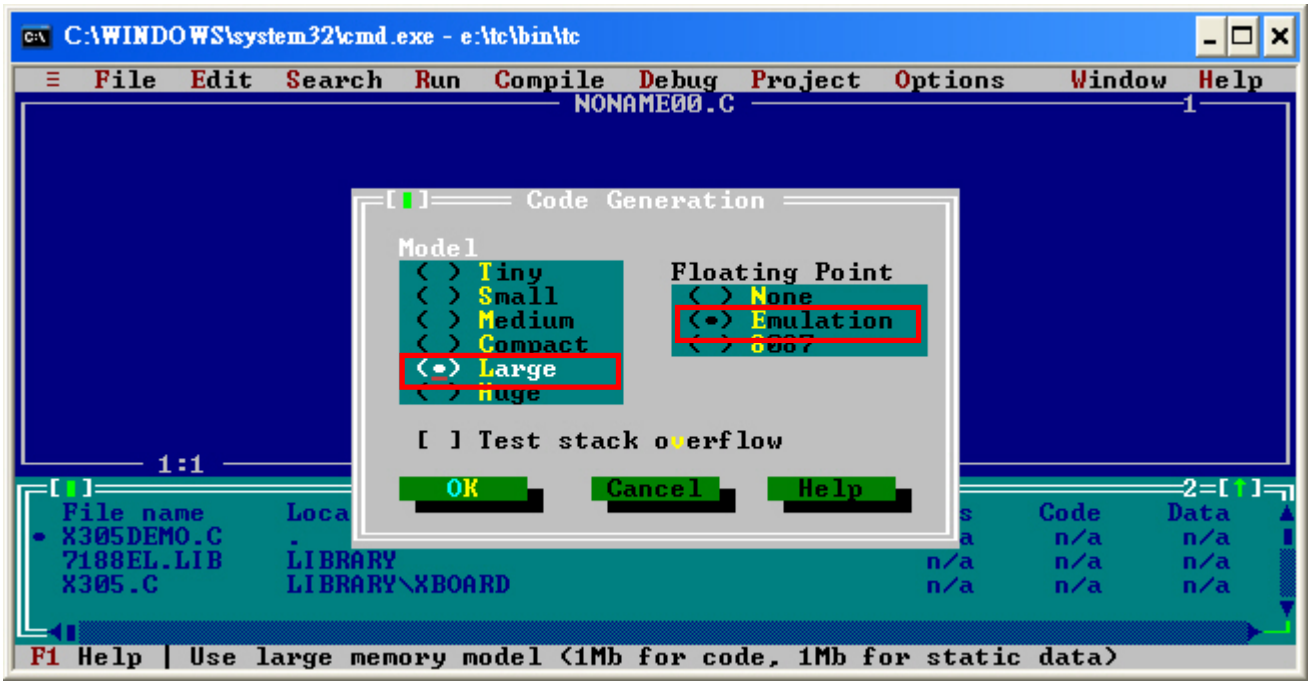
3.2 Select the function library and then click “Add” button.



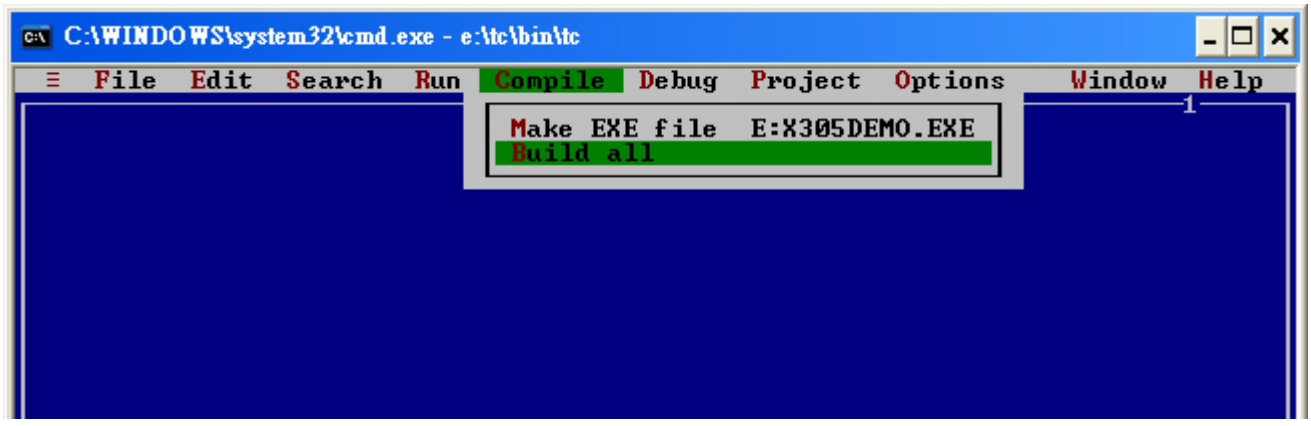
Step 4: Set Code generation options.

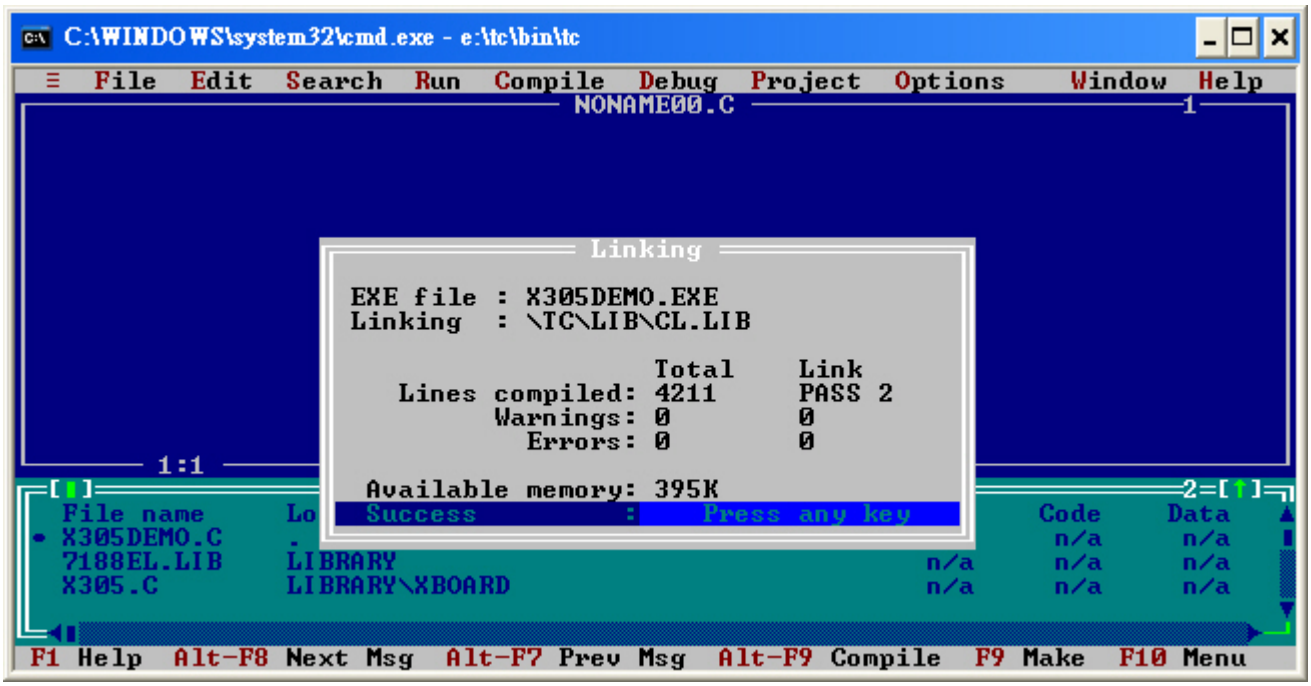


4.1 Change the Memory model (8000s.lib/7188es.lib for Small, 8000l.lib/7188el.lig for large model) and set Floating Point to Emulation



Step 5: Make the project.




C:\WINDOWS\system32\cmd.exe - e:\tc\bin\tc
File Edit Search Run Compile Debug Project Options Window Help
NONAME00.C
Linking
EXE file : X305DEMO.EXE
Linking : \TC\LIB\CL.LIB
Total Link
Lines compiled: 4211 PASS 2
Warnings: 0 0
Errors: 0 0
Available memory: 395K
Success : Press any key
1:1
File name Lo Code Data
X305DEMO.C . n/a n/a
7188EL.LIB LIBRARY n/a n/a n/a
X305.C LIBRARY\XBOARD n/a n/a n/a
F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Menu