

How to compile the demo program of 9188XD

Build the demo.c to demo.exe

Demo program: DEMO1

IDE: TURBO C++

The step of Environment Variables setting:

1. Installation TURBO C++
2. Environment Variables setting
3. Build Project

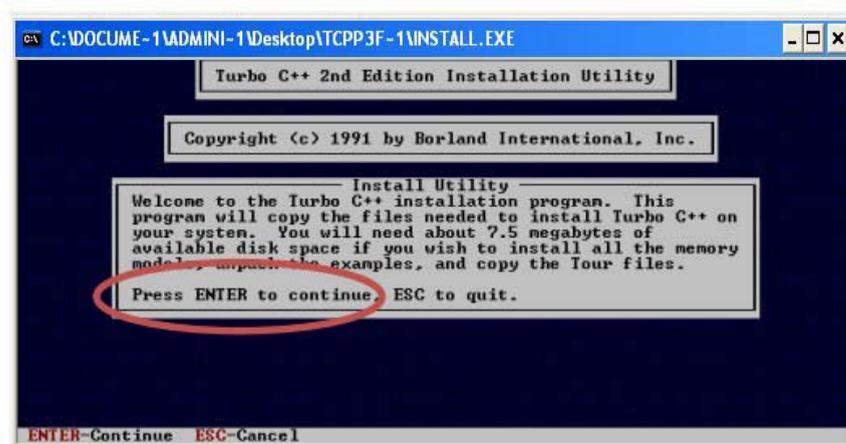
Note: Please refer the installation step of TURBO C++ as follows:

Installation TURBO C++

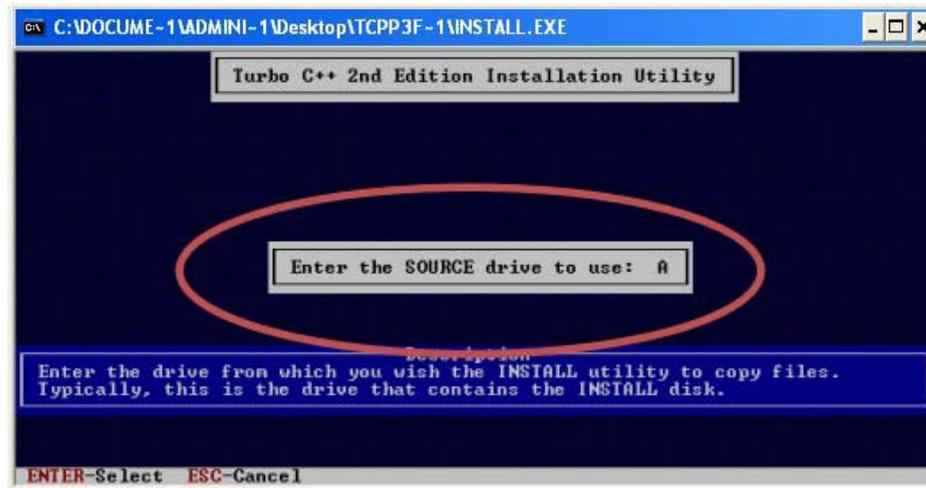
STEP 1 : Execute the INSTALL.EXE of Turbo C++



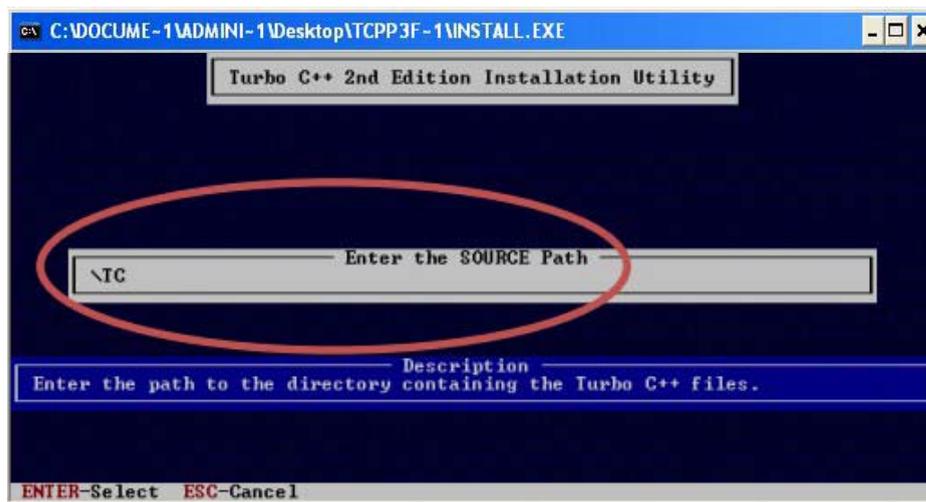
STEP 2 : ENTER to continue the Install Utility



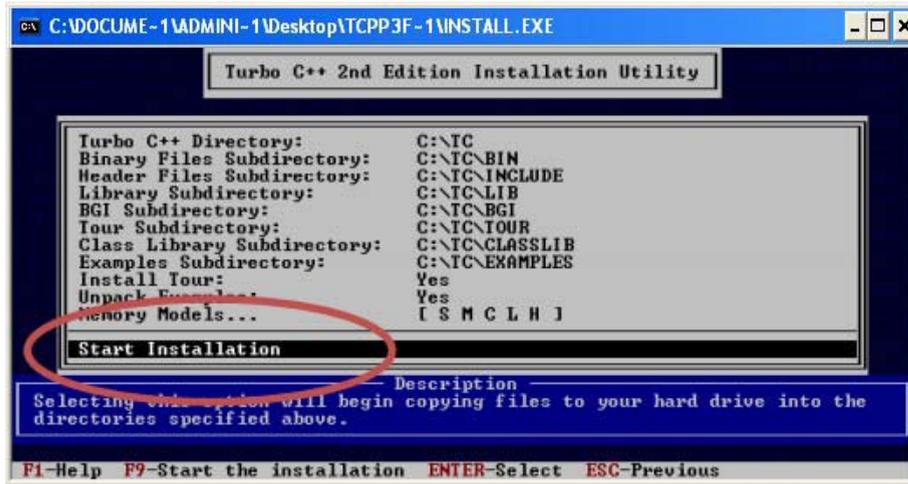
STEP 3 : Enter the Source drive C: or D: to use



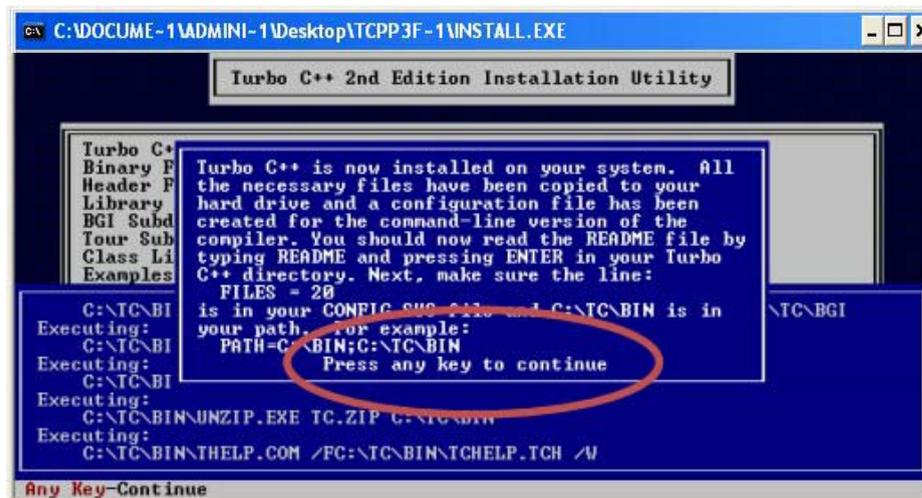
STEP 4 : Enter the Source Path



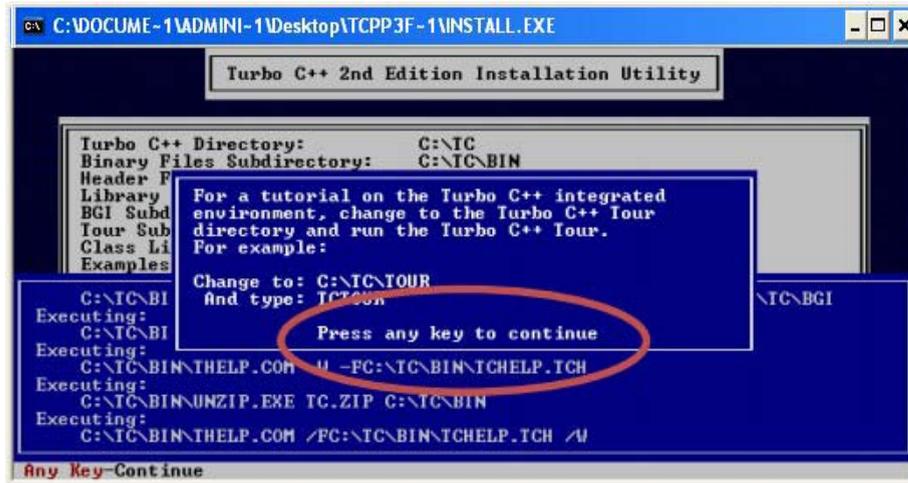
STEP 5: Select Start Installation



STEP 6 : Press any key to continue



STEP 7: Press any to continue



The screenshot shows a DOS window titled "C:\DOCUME~1\ADMINI~1\Desktop\TCPP3F-1\INSTALL.EXE". The main window is "Turbo C++ 2nd Edition Installation Utility". It displays a list of directories on the left: Turbo C++ Directory, Binary Files Subdirectory, Header Files, Library, BGI Subdirectory, Tour Subdirectory, Class Libraries, and Examples. The current directory is C:\TC. A blue box highlights a message: "For a tutorial on the Turbo C++ integrated environment, change to the Turbo C++ Tour directory and run the Turbo C++ Tour. For example: Change to: C:\TC\TOUR and type: TCTOUR". Below this, another blue box contains the prompt "Press any key to continue", which is circled in red. At the bottom, it says "Any Key-Continue".

```
C:\DOCUME~1\ADMINI~1\Desktop\TCPP3F-1\INSTALL.EXE
Turbo C++ 2nd Edition Installation Utility

Turbo C++ Directory:      C:\TC
Binary Files Subdirectory: C:\TC\BIN
Header Files
Library
BGI Subdirectory
Tour Subdirectory
Class Libraries
Examples

For a tutorial on the Turbo C++ integrated
environment, change to the Turbo C++ Tour
directory and run the Turbo C++ Tour.
For example:
Change to: C:\TC\TOUR
and type: TCTOUR

Press any key to continue

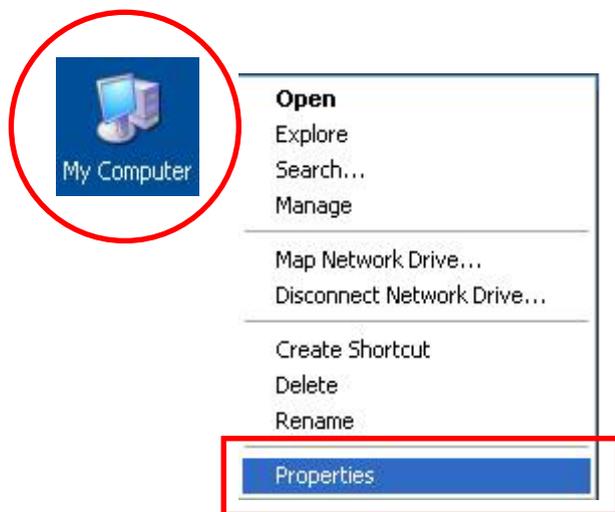
C:\TC\BIN
Executing:
C:\TC\BIN
Executing:
C:\TC\BIN\THELP.COM /U -FC:\TC\BIN\TCHELP.TCH
Executing:
C:\TC\BIN\UNZIP.EXE TC.ZIP C:\TC\BIN
Executing:
C:\TC\BIN\THELP.COM /FC:\TC\BIN\TCHELP.TCH /V

Any Key-Continue
```

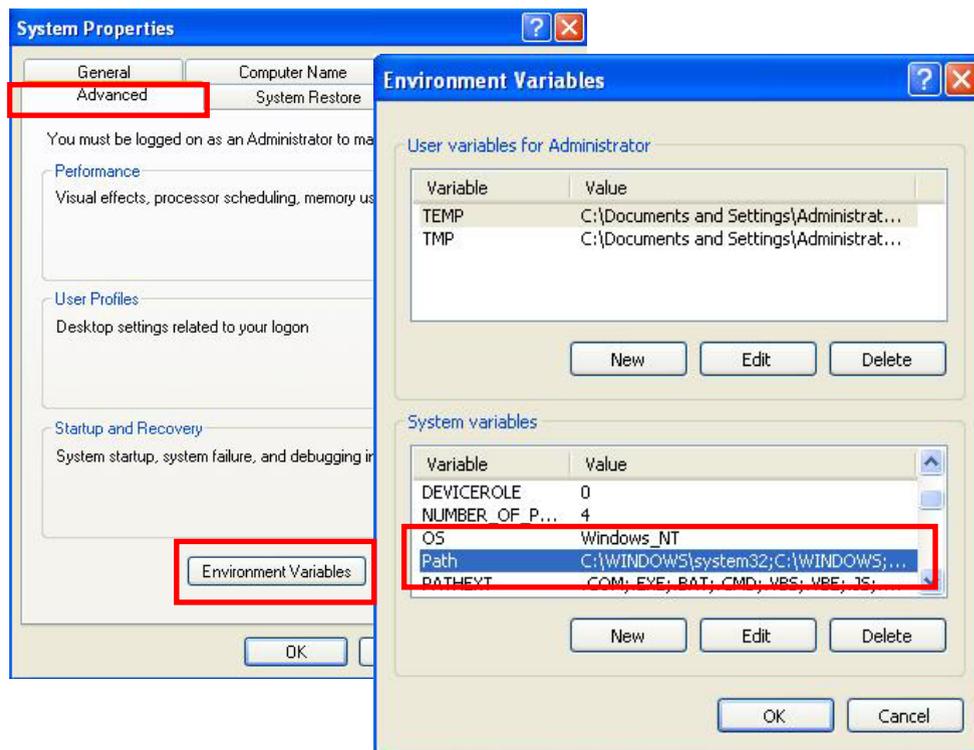
STEP 8 : Installation finished

Environment Variables setting

- STEP 1 : Click Properties from My Computer of Desktop by right key then select Advanced

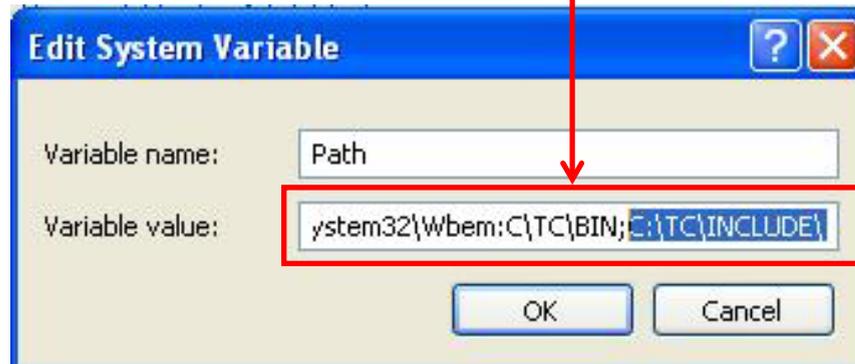


- STEP 2: Select Advanced and click Environment Variables in windows of Environment Variables then select Path to Edit



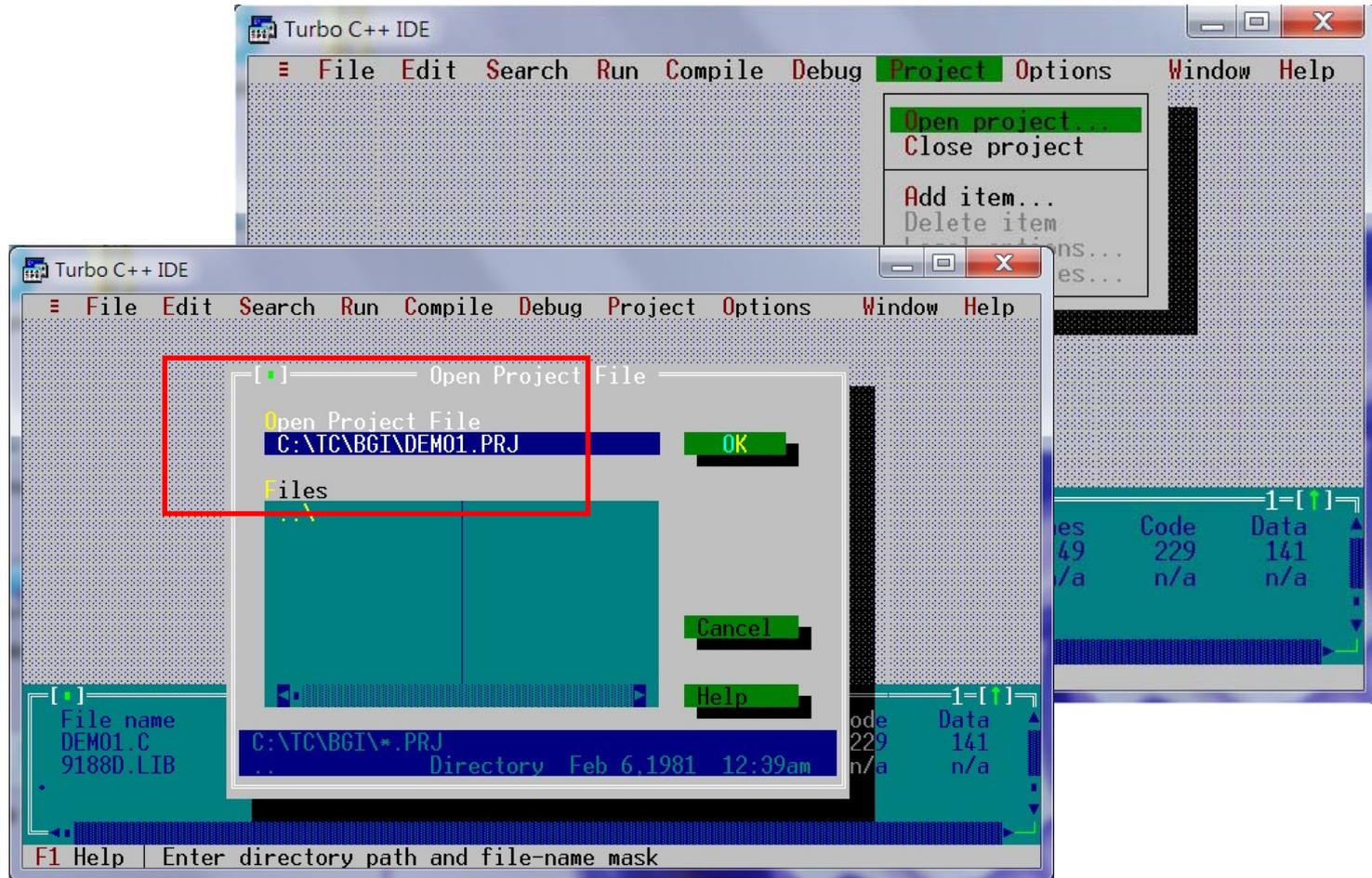
- **STEP 3: Add the correct Path to Variable value as “;c\TC\BIN;c:\TC\INCLUDE\” then restart the Computer**

Between Variable value must be separated By “ ; ” as: “;c\TC\BIN;c:\TC\INCLUDE\”

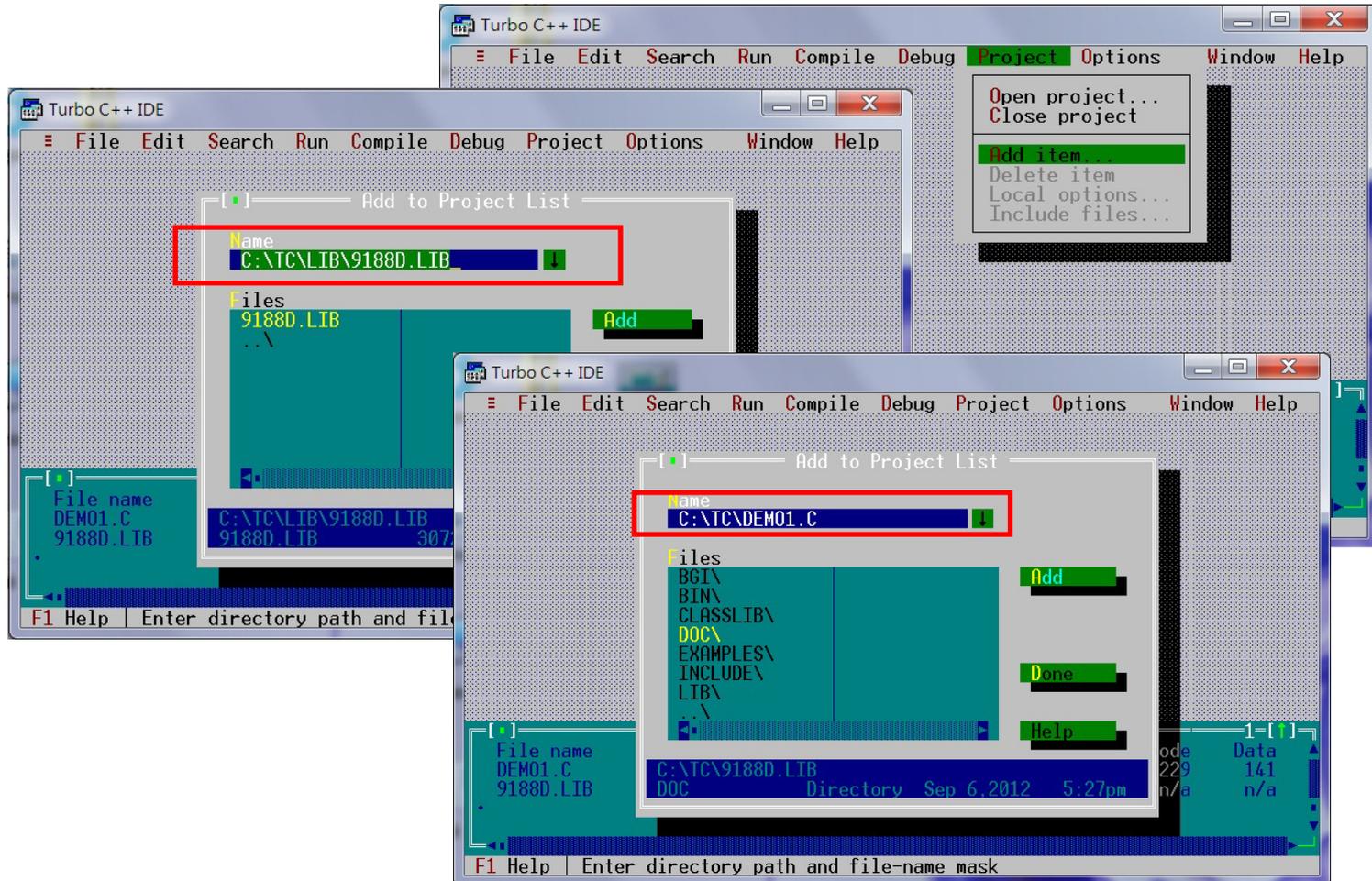


Build Project

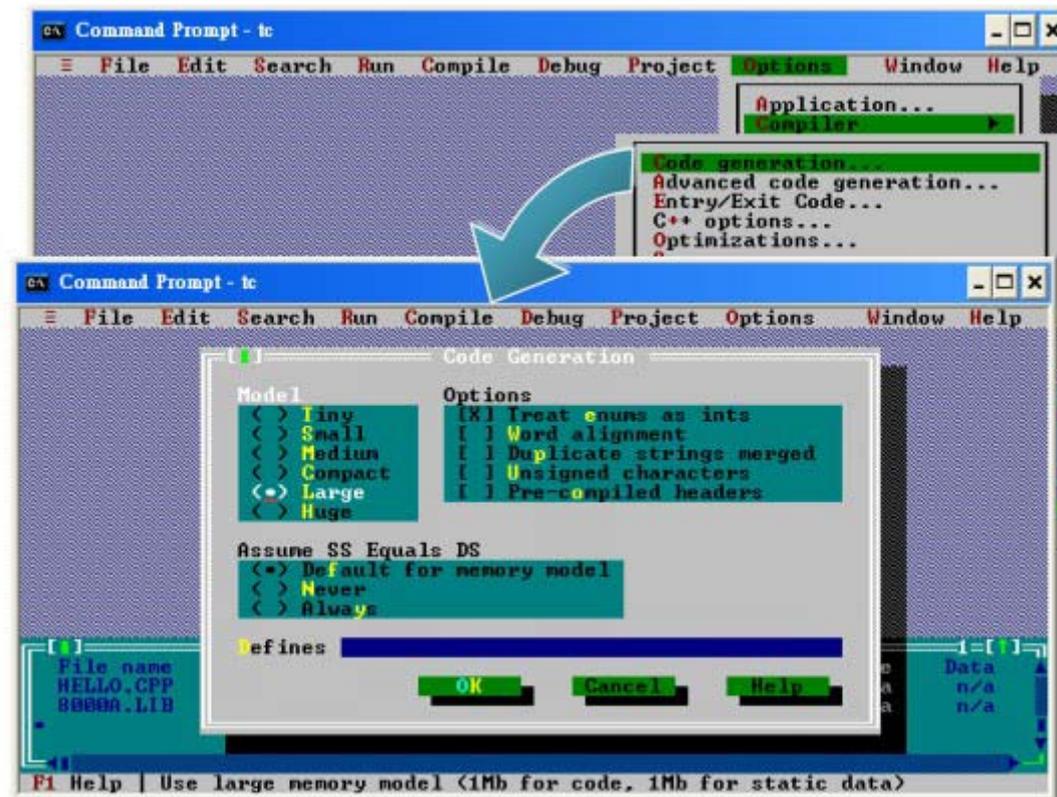
- STEP 1: Open project (*.prj) file



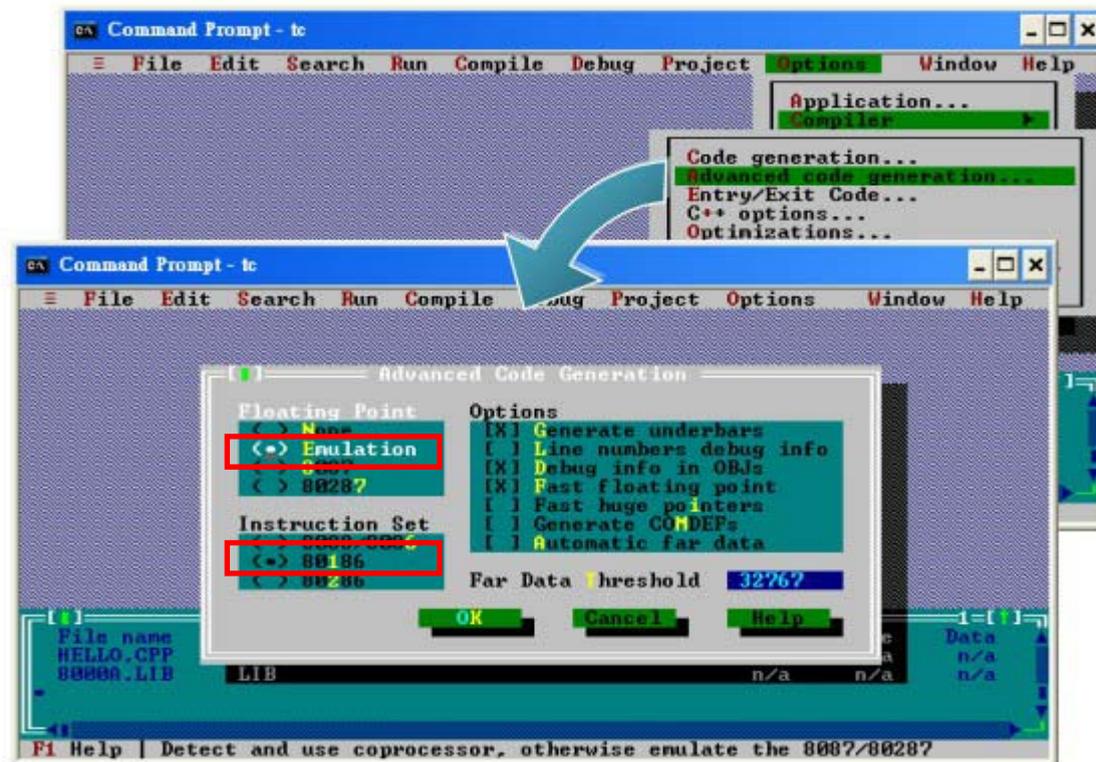
- STEP 2: Add Library (*.lib) and Source file (*.c) to Project list



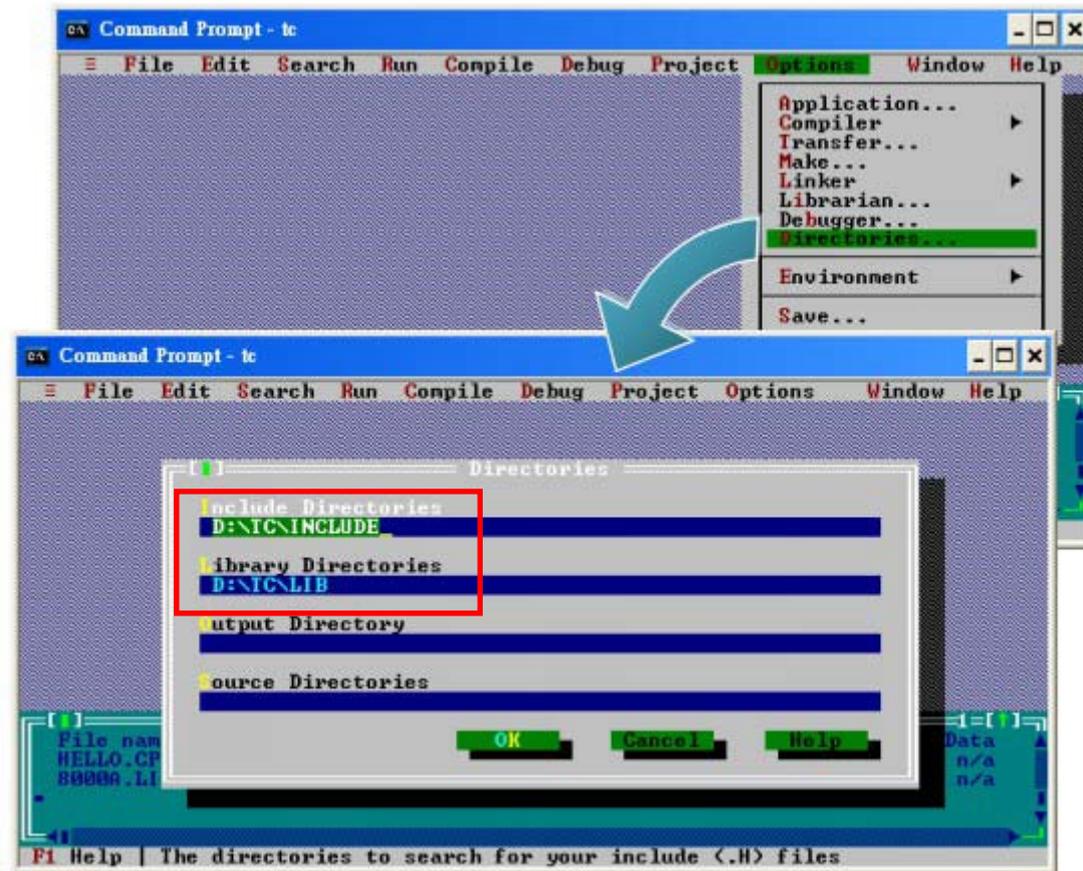
- STEP 3: Code generation setting to **Large** memory model



- STEP 4: Floating Point setting to **Emulation** and Instruction Set setting to **80186** in Advanced code generation



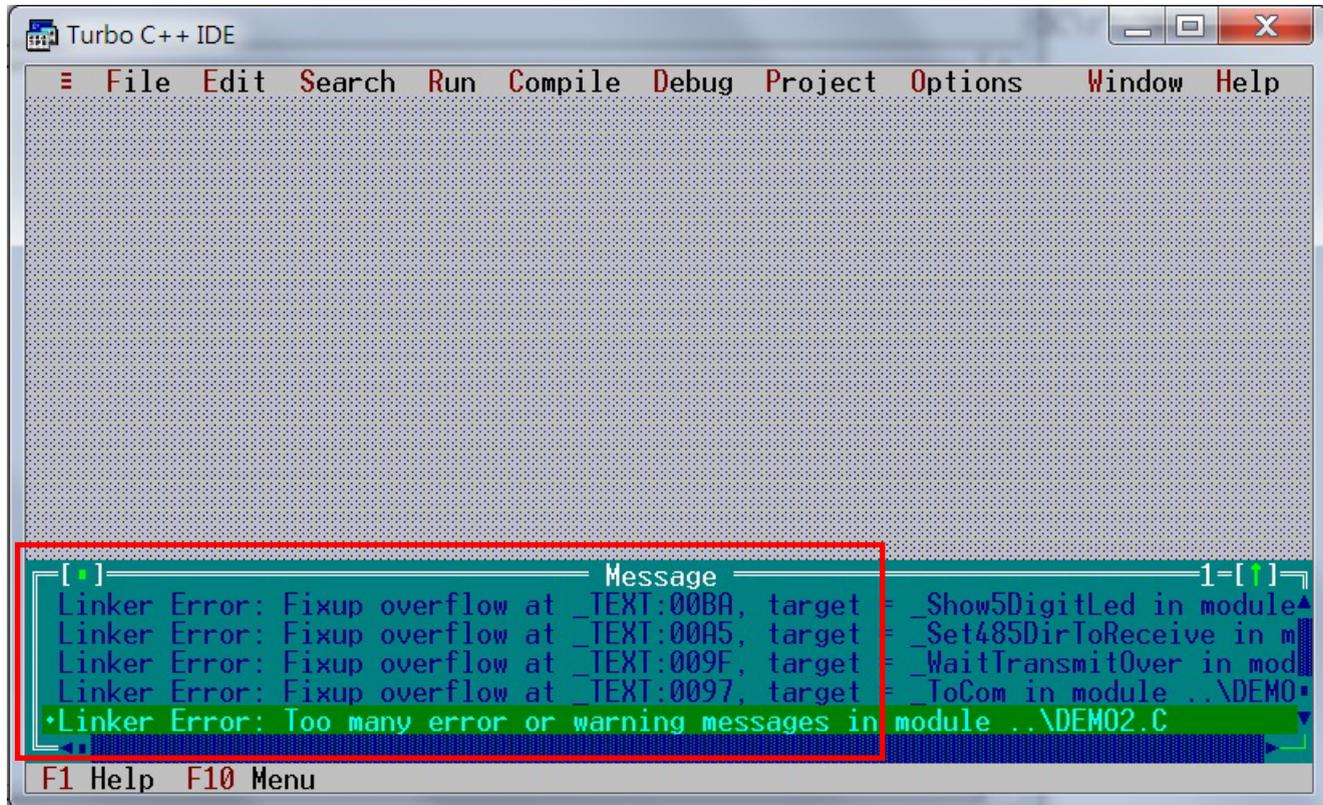
- STEP 5: Setting Directories of TC with INCLUDE & LIBRARY



- STEP 6: Click **Compiler to Build all**
(Project) then it get the Execution file

DEMO file to special setting
(Example of DEMO2)

- STEP 1: When Linker Error

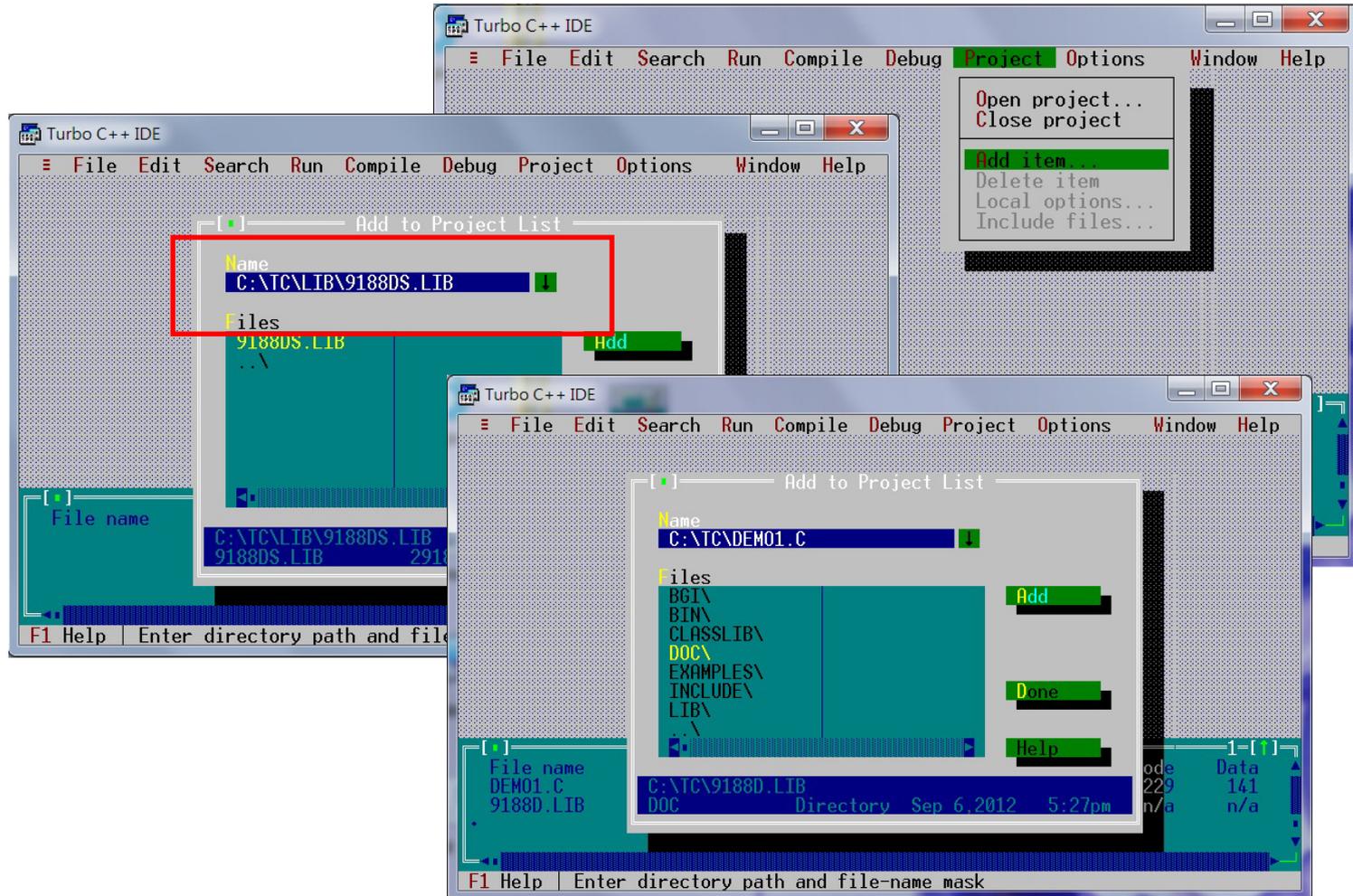


The screenshot shows the Turbo C++ IDE interface. The menu bar includes File, Edit, Search, Run, Compile, Debug, Project, Options, Window, and Help. The main window is a message window titled "Message" with a red border. It displays several linker error messages:

```
Linker Error: Fixup overflow at _TEXT:00BA, target = _Show5DigitLed in module
Linker Error: Fixup overflow at _TEXT:00A5, target = _Set485DirToReceive in m
Linker Error: Fixup overflow at _TEXT:009F, target = _WaitTransmitOver in mod
Linker Error: Fixup overflow at _TEXT:0097, target = _ToCom in module ..\DEMO
*Linker Error: Too many error or warning messages in module ..\DEMO2.C
```

At the bottom of the IDE window, there are keyboard shortcuts: F1 Help and F10 Menu.

- STEP 2: Replace the *.LIB by 9188DS.LIB



- STEP 3: Code generation setting to **Small** memory model then it get no Linker Error

