

Appendix D

How to use Borland C++ Compiler

A step-by-step description on how to write a C program in a file (*filename.c*), to compile the program and to run the executable file is provided in this document.

Step 1: How to edit a *filename.c* file using TextPad application

Launch the TextPad text editor as follows:

Start > Programs > TextPad

Write the C code for your application in the opened file as presented in Figure 1.

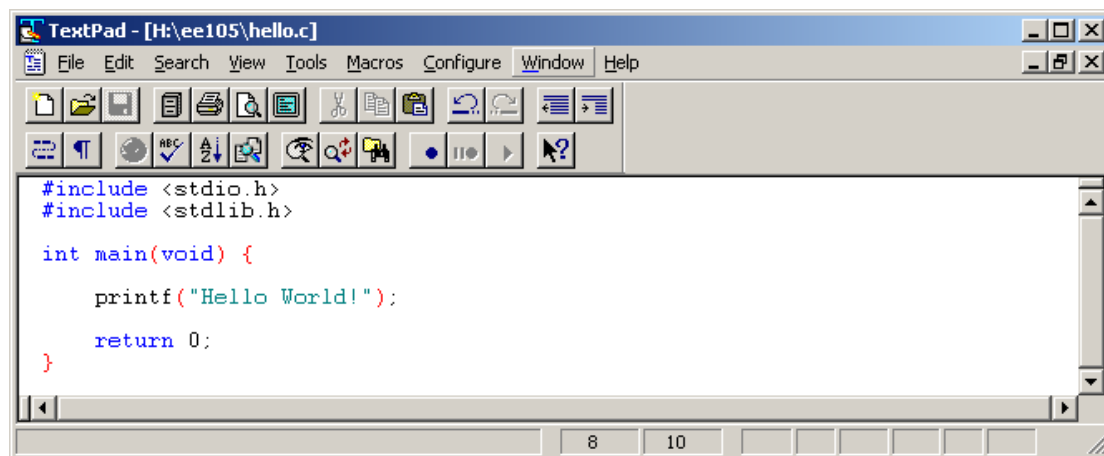


Figure 1. A file with C code lines that was edited using TextPad

Step 2: How to save the file

In order to save the data, choose *File-> Save* option and indicate the name of the file (e.g. *hello.c*) as well as the folder of your choice in your home directory (e.g. *h:\ee105*) (see Figure 2).

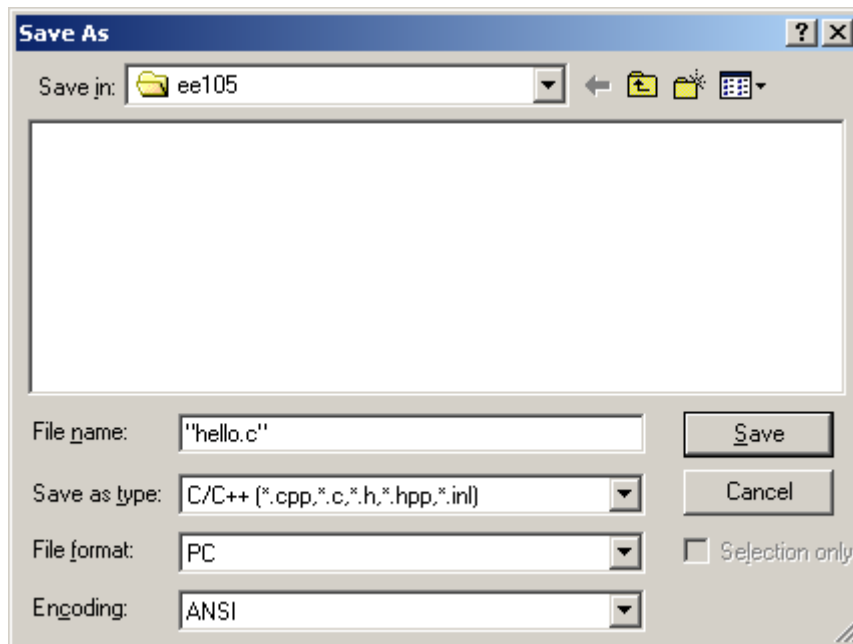


Figure 2. Save the data as *hello.c* file in the ee105 directory

Step 3: How to open a command prompt window for running the Borland C ++ Compiler

In order to compile and run the C source code from the *hello.c* file, you have to launch the Borland C++ compiler as follows:

Start > Programs > Borland C++ 5.5 > bcc55

A command prompt window will appear and will point to the temp directory on the C: drive (Figure 3).

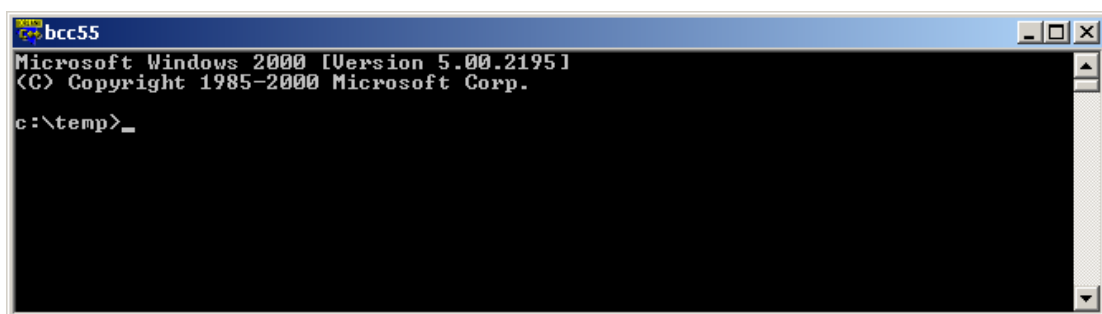
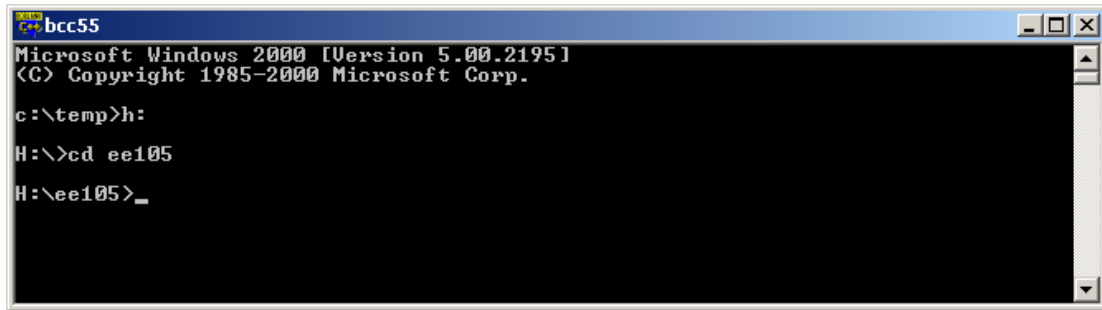


Figure 3. Command prompt window for the Borland C++ compiler

You must now navigate to the directory where you have saved your file as follows:

> *h:*
> *cd yourdirectory* (for example: > *cd ee105*)



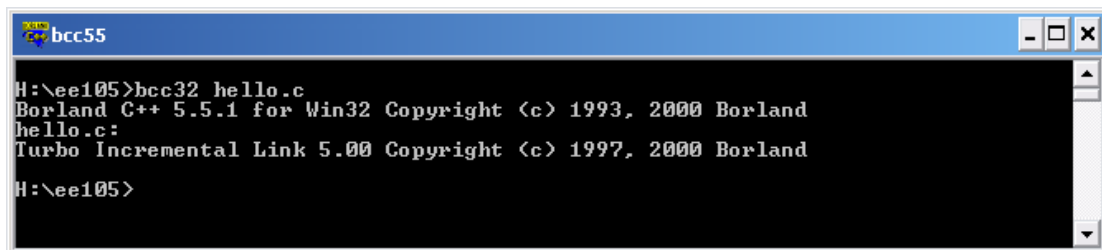
```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

c:\temp>h:
H:\>cd ee105
H:\ee105>_
```

Figure 4. Change the current location from *C:\temp* to *h:\ee105*

Step 5: How to compile the *hello.c* file using Borland C++ Compiler

You can compile a file with a C source code by typing “*bcc32 filename.c*” at the command prompt. This should result in the following output if everything has worked:



```
H:\ee105>bcc32 hello.c
Borland C++ 5.5.1 for Win32 Copyright (c) 1993, 2000 Borland
hello.c:
Turbo Incremental Link 5.00 Copyright (c) 1997, 2000 Borland
H:\ee105>
```

Figure 5. Compile the *hello.c* file using the *bcc32* command

Step 6: How to run a C program

After the program was compiled and no errors were listed by the Borland C++ Compiler, an executable file is generated (e.g. *hello.exe*). This file is located in the same directory as the file with the source code (*hello.c*). You can run the executable file by typing *filename.exe*. (i.e. *hello.exe*) and the output of the program (if any) is listed on the screen.