

Instructions for compiling your first C program.

1. Make a subdirectory to hold your team's code on the U: drive. (Click on *My Computer* -> *U:*, Right Click on empty space, Click *New* -> *Folder*. Give your folder a name.
2. Copy the following files from U:/jano to that directory just created:
 - cc.bat
 - crts.s
 - academy.h
 - hc12.h
 - DBug.12
 - h_world.lkf
3. Create a file named "h_world.c" using notepad. Put the following code into it:

```
#include "DBug12.h" /* this is needed for calling the print function */  
  
/* every program has a main() function – program execution begins here */  
void main() {  
  
    /* print the string "Hello World!" to the screen */  
    DBug12FNP->printf("Hello World!\r\n");  
  
} /* end of function main() */
```

NOTE: remember to save the file after you have entered the text!

4. Get into a DOS window, and change to the directory you created. Type the following command at the prompt:
U:\mydirectory> cc h_world
5. You have now successfully compiled your first C program. If you look in your directory, you should notice a few new files have been created. The only one of interest is a file named *h_world.s19*. This file holds the code that the HC12 understands. At some point, we will show you how to load and run this code onto your HC12 boards.