

BA272 Notes on compiling from the command line

Consider the following simple program that prints out "I can compile..." on the console, accepts something you type and displays it back, and then waits for you to press a key.

```
using System;
class ICan
{
    static void Main(string[] args)
    {
        Console.WriteLine("I can compile and run programs I write");
        Console.Write("Type something:");
        Console.WriteLine("You Typed:" + Console.ReadLine()); // repeat what was typed
        Console.ReadLine(); // this makes the program wait for you press enter
    }
}
```

Perform and understand the following steps:

- Open a Visual Studio Command Prompt
 - o Start → All Programs → Microsoft Software → Microsoft Visual Studio 2008 → Visual Studio Tools → Visual Studio 2008 Command Prompt
- Map drive v: to your class work area
 - o Open a command prompt (Start → Run cmd press enter)
 - o Type:

Net use v: \\bus.oregonstate.edu\Storage\ClassFolders\2009_Fall\BA272\001\yourONIDID and press enter

- o Actually you can paste it in, select the text above and do ctrl-c for copy, click on the c:\ icon in the command prompt window and select edit/paste
- o DON'T FORGET, YOU HAVE TO USE YOUR ONIDID in place of "yourONIDID"
- Open notepad
- Paste the program above into the notepad file
- Save the file in a new directory in your v: area called Practice\ICan as ICan.cs (This is a source code file)
- In the command prompt widow, go to your work area (type: v: and press enter)
- Go to the new subdirectory (type: cd Practice\ICan and press enter)
- Use the CSharp compiler to convert your source code into the form your computer knows how to execute (type: csc ICan.cs and press enter)
- Run the program
 - o List the files in the directory (type: dir *.* and press enter)
 - o Execute the program by typing the name of the executable file (type: ICan and press enter)
- Another way to run it:
 - o Look in the directory using Windows Explorer
 - o Double click on the ICan executeable

Build on it. Can you:

- Make your program say something different to prompt the user?
- Make it accept and display a second time when it runs?
- Make it accept and display a third time when it runs?