A 32-Bit DLL Written in ANSI C

Below is a minimalist DLL written in ANSI C. This example is a complete DLL which can be used as an extension for the ArgoSoft Mail Server. It compiles and works as-is, but it does no processing. It currently only returns an INT to the calling program. This example can just as easily be called by other programs, including your own.

```
/*
+--------------------------------------------------------+
| extension.c                                            |
|                                                        |
| This is a minimalist ANSI C program for creating       |
| an extension for the ArgoSoft Mail Server.  It exports |
| only the ProcessFilter1 function, which the mail server|
| will invoke.                                           |
|                                                        |
+--------------------------------------------------------+
*/

#include <windows.h>

BOOL WINAPI __declspec(dllexport) LibMain (HINSTANCE hInst, DWORD
Reason, LPVOID Reserved)
{
      if(Reason==DLL_PROCESS_ATTACH)
      {
            return   TRUE;
      }

      if(Reason==DLL_PROCESS_DETACH)
      {
            return   TRUE;
      }

      return   FALSE;
}

INT WINAPI __declspec(dllexport) ProcessFilter1 (char *FromAddr, char
*ToAddr, char *FileName)
{

      /* Do some processing here. */

      /* Return 1. Server continues with the next filter. */
      return 0;

}
```

That code can be compiled to a DLL using the free Borland C++ compiler system. Once the Borland compiler is properly installed, the following command line will compile the DLL.

```
bcc32 -tWD extension.c
```