I have put the support functions for program #3 on Canvas. This creates a library (.a file) that includes the sendtoErr() code. It also creates the libraries .h file called cpe464.h.

NOTE – this library also includes the internet checksum function: **in_cksum()**

To use this code:

1) Download the tar file (libcpe464) from the Canvas page

2) Untar it: **tar xf libcpe464_2.21.tar**

3) Build the library: **make -f build464Lib.mk**

This will produce a library **called libcpe464.2.21.a** and header files called **cpe464.h and checksum.h**.

The Makefile provided with the UDP test code needs to be changed to link in this library (link in the object code in the .a file). In the Makefile provided with the UDP code you need to uncomment lines 15 and 16 which are:

```
14  #uncomment next two lines if your using sendtoErr() library
15  #LIBS += libcpe464.2.21.a -lstdc++ -ldl
16  #CFLAGS += -D__LIBCPE464_
17
```