Chapter 14 (Page 11 through 18)

This assignment is extra credit.

Purpose: This assignment provides experience with encryption.

1) Get a copy of the instructors `do_crpyt.c` program.

Compile it and run it. Make sure you can explain what the program prints. (Don't turn anything in for this part.)

2) Redo homework 2 (`copy.c`) (yet again).

a) As you make the copy, encrypt (or decrypt) each block before you write it. The key may be embedded in the code (like my example).

b) Add a fourth commandline parameter to your `copy.c`. If the `argv[3][0]` is `'e'` encrypt while doing the copy. Otherwise decrypt.

Hint: place an if statement before you start the copy, set a variable to either `DES_ENCRYPT` or `DES_DECRYPT`. Use the variable in your copy.

Example:

```
a.out encrypt.c crypted_file e
```

Produces an encrypted version of `encrypt.c`

```
a.out crypted_file encrypted_copy.txt d
```

Produces an encrypted version of `crypted_file` (which should be identical to the original file).

File: `encrypt.c` is a copy of what I used in lecture. It should compile and run.