Exercise 3

Before we install apache 2.2 edit /etc/make.conf using your favorite editor (vi or ee) and add the following line

MASTER_SITE_OVERRIDE=ftp://noc.e0.ws.afnog.org/pub/FreeBSD/distfiles/

and save the file.

Now lets install apache2.2.4 which is the latest version. You must have had your ports updated to the latest version for this to work. If you get any errors please call upon one of the instructors.

```
#portinstall apache
[Updating the pkgdb <format:bdb_btree> in /var/db/pkg ... - 29 packages found (-2
+0) (...) done]
--->  Found 4 ports matching 'apache':
      www/apache13
      www/apache20
      www/apache21
      www/apache22
Install 'www/apache13'? [yes] no
Install 'www/apache20'? [yes] no
Install 'www/apache21'? [yes] no
Install 'www/apache22'? [yes]
```

Now lets go configure our apache webserver:

vi /etc/rc.conf

add the following line
apache22_enable="YES"

This will enable apache to start automatically on boot.
Now lets configure our apache

cd /usr/local/etc/apache22/

vi httpd.conf

Edit the following lines

CHANGE

Secure (SSL/TLS) connections
#Include etc/apache22/extra/httpd-ssl.conf

to

Secure (SSL/TLS) connections
Include etc/apache22/extra/httpd-ssl.conf

The above enables our ssl configuration file.

Now lets put our SSL certificate that we created earlier into our http configuration.

vi /usr/local/etc/apache22/extra/httpd-ssl.conf

change the line to read:

SSLCertificateFile /usr/local/etc/apache22/mycert/server.crt

and also

SSLCertificateKeyFile /usr/local/etc/apache22/mycert/server.pem

Now lets start our apache webserver.

apachectl start

You can now try to connect to your webserver using:

lynx http://localhost

and

lynx-ssl http://localhost

to test our SSL enabled webserver.