

Chapter 19 - Installing Software from Source Code

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- BSD License
 - Source code can be modified
 - Modification can not be redistributed
 - Advertised so that it's clear that BSD code is used
 - Can be used as proprietary or commercial software
- GNU Public License (GPL)
 - "Copyright license"
 - Modified Software can be distributed under the same license

Install Lynx Software

Lynx is a Text Browser

- Downloaded from lynx.isc.org
- unzip

```
$ PATH=$PATH:/usr/sfw/bin:/usr/ccs/bin:.  
$ export PATH  
$ ./configure  
$ make  
$ make install
```

Run Lynx

Compile C Program

```
$ gcc hello.c # compiles hello.c file  
$ gcc -o hello hello.c # compiles hello.c and names the output file hello  
$ gcc -c main.c sub1.c sub2.c # compiles 3 files in one command  
$ gcc -o maketest main.o sub1.o sub2.o  
$ make -f make.my # executes makefile
```

makefile/Makefile

Schema:

<default target>: dependency list

<tab>command

<target>: dependency list

<tab>: dependency list

...

<label>:

<tab>: command

Example:

```
maketest: main.o sub1.o sub2.o
    gcc -o maketest main.o sub1.o sub2.o
main.o : main.c my.h
    gcc -c main.c
sub1.o : sub1.c my.h
    gcc -c sub1.c
sub2.o : sub2.c my.h
    gcc -c sub2.c
clean :
    rm -f *.o maketest
```