How to run a Java Program

- Edit your code with `emacs`. Enable `emacs` syntax highlighting with `ALT-X font-lock-mode`. If `emacs` background is gray (WPI-machines), write a file called `.Xdefaults` and put the following line in:
  `emacs*background: white`
  Then, add `xrdb .Xdefaults` to your `.cshrc`

- Compile code with `javac Program.java`. If it doesn't compile, you may have to change your *classpath*:
  - UNIX C-Shell: `setenv CLASSPATH .:classes.zip:$CLASSPATH`
  - LINUX Bash: `export CLASSPATH=.:classes.zip:$CLASSPATH`
  - Windows 95/98: `set CLASSPATH=.;classes.zip;%CLASSPATH%` in `C:\autoexec.bat`
  - Windows NT: set classpath in `Settings|Control Panel|System|Environment`

  This is also needed when you use third-party archives (class libraries). Those usually have to be included in the classpath in the above manner.

- Run code using:
  - `java Program` for *applications*
  - `appletviewer Program.html` for *applets*, or start in Web browser (needs HTML-Page with APPLET-Tag).

- For Applets only:
  A sample HTML-Page for an Applet:

```
<HTML>
<APPLET CODE="Program.class" WIDTH=350 HEIGHT=350></APPLET>
</HTML>
```

Class Visibility

Accessible to:	Member Visibility			
	public	**protected**	**package**	**private**
Same class	yes	yes	yes	yes
Class in same package	yes	yes	yes	no
Subclass in different package	yes	yes	no	no
Non-subclass, different package	yes	no	no	no