chapter 1

```
pymon coole:
                                         c code
     X
                                            X
                                                               NEW HINE
                                                          18.
                       X
                   14.
2.
                                       2.
                                                         19.
                  17.
                                                               X
      5
                                            5
                                       3.
3.
                  15.
                                                                =
     nemline
                                           rowling
4.
                  19.
                                                               X
                                           whilt
 5.
     While
                  ZO.
                                                         22.
                                                         23.
     X
 6.
                  21.
                       newline
                                            X
                                                         24.
     >
 7.
                      dedent
                                                               newline
                  23.
                                                         2S.
                                                               ardent
                       print
 q.
                                                         24.
     NEMILLE
 10.
                       bye
                                                         27.
                                                                built
                  25,
     print
 11.
                                                         25.
                  Zu,
 12.
                       NEMLIVE
                                                         29.
                                                               bye
                                            NOWINE
                                       12.
 13,
      hello
                                            indent
                       EOF
 14.
                                            printf
                                       H,
                                                         31.
                                                                NOWING
     newline
                                       12:
                                                         32.
                                                                UF
                                            neho
                                       16.
                                       7.
```

11. When positioned on the directory that contains the software package for this book, enter on the command line

python sample.py > ch1p11.txt

Then examine with a text editor the file ch1p11.txt. What is the effect of "> ch1p11.txt"?

with the out put of sample py

Chapterz

1. Using set builder notation, define the language a*b*.

zero or more as, zero or more 105 $\{a^ib^n \mid iz0, nz0\}$

6. Write a regular expression that defines the language over {a, b} that consists of all strings that have exactly one b.