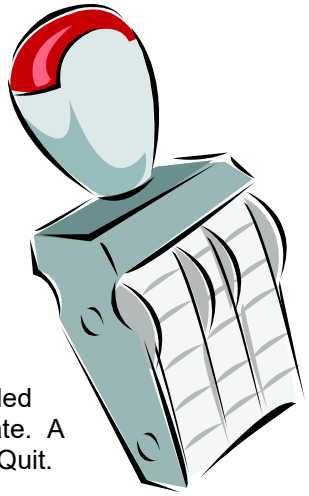
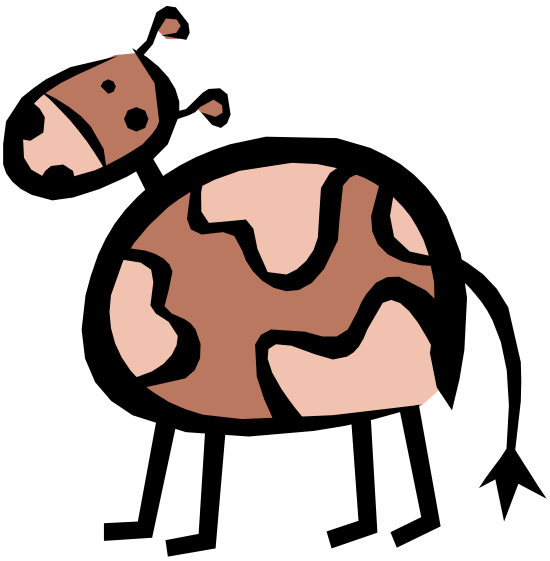
Program 607a
(expiration dates)



Program Description: Product expiration dates are often encoded to discourage consumers from complaining. A common technique is to use letters instead of numbers to represent the dates. Suppose that the Really Slick Dairy Company encodes the months as the letters 'A' through 'L', each digit of the day's date as the letters 'Q' through 'Z' and the year as the letters 'Z" through 'A' plus 1970, where 'Z' represents 1, and 'A' is 26. Days that would otherwise have only one digit are preceded by a zero. Write a program that codes and/or decodes an expiration date. A menu should contain three options for the user: 1) Code 2) Decode 3) Quit.

Statements Required: input, output, loop control, decision making, class



Sample Output: (your output will appear in one column)

```
-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 1
enter date (m/d/y) 9/14/83
The code is:  IQTN

-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 1
enter date (m/d/y) 1/14/84
The code is:  AQTM

-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 2
IQTN
The date is:  9/14/1983

-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 1
enter date (m/d/y) 1/1/75
The code is:  AOQV

-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 2
AQTM
The date is:  1/14/1984
-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 2
AOQV
The date is:  1/1/1975

-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 2
KORH
The date is:  11/2/1989

-----menu-----
0) Quit
1) Encode Date
2) Decode Date
Select an option 0
```