Problem 1:

Enter a character: A

A

Enter a character: d

d

Enter a character: J

J

Enter a character: 0

0

Enter a character: #

#

Problem 2:

Enter the year: 1700

1700 is not a leap year.

Enter the year: 1701

1701 is not a leap year.

Enter the year: 1804

1804 is a leap year!

Enter the year: 2020

2020 is a leap year!

Enter the year: 2000

2000 is a leap year!

Problem 2:

Enter a number to round: 4.4

Your new balance is: 4.

Enter a number to round: 8.6

Your new balance is: 9.

Enter a number to round: 0.5

Your new balance is: 0.

Enter a number to round: 1.5

Your new balance is: 2.