Lab 3

Turn In:

1. Coding Assignment – Due Thursday, February 14, 2013
    a) For each exercise, a hardcopy package must be generated to include the following items:
        - Cover Sheet (see the sample copy include in lecture note)
        - Exercise/problem statement
        - Copy of program (named as **`cis27Spring2013YourNameLab3Ex1)`**
        - Copy of output (copy and paste from output screen as possible)

    b) Submitting in class one hard copy package for each exercise; and
    c) Emailing your work as follows,
        - One message for each exercise.
        - Attaching the source file (program) that was created in part (a).
        - The SUBJECT line of the message should have one of the following lines:
          `CIS 27 Spring 2013 Your Name : Lab 3 – Exercise #1`
          Or,
          `cis27Spring2013YourNameLab3Ex1`

2. Q.E.D.

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1. Coding Assignment

Exercise #1

Write a menu program to have the display below,

```
CIS 27 – C Programming
Laney College
Your Name

Assignment Information --
  Assignment Number:  Lab 03,
                      Coding Assignment -- Exercise #1
  Written by:         Your Name
  Submitted Date:     Due Date
```

And it will be continued with a menu that has the following calling options:

A. A function **`divideByYourName()`** to compute the results of **`n`** divided by a given integer **`m`** (i.e., `n/m`) where `n = 0, 1, 2, …, 9`. Print out the results with comments on your selection of data and types.

B. A function **`powerIntYourName()`** to compute and return the value of an integer `iValue` raised to a power of **`n`** where **`n`** is some integer.

C. A function **`powerDoubleYourName()`** to compute and return the value of a floating-point `dValue` raised to a power of **`n`** where **`n`** is some integer.

D. A function **`powerFractionYourName()`** to compute and return the value of a **`Fraction`** object being raised to a power of **`n`** where **`n`** is an integer.

Then,

(1) Write a program to test these functions; name your program as `cis27Spring2013YourNameLab3Ex1.c`

(2) Your menu should allow the user to enter values that are required by the functions.

(3) Provide your thought and assessment on the functions and results (for each of these functions).