IF-statements

Here are several versions of the if-statement:

```
if <condition>:
       <body>


if <condition>:
       <body 1>
else:
       <body 2>
```

```
if <condition 1>:
        <body 1>
elif <condition 2>:
        <body 2>
elif <condition 3>:
        <body 3>
...
else
        <final body>
```

Write a program that inputs a number x. If x is negative the program should say so. If x is not negative and has 1 digit the program should say it is "small"; if it has 2 digits the program should say it is "medium-sized"; if it has 3 or more digits the program should say it is "big".

Write a program that inputs a year and says if it is a leap year

Here is the leap year algorithm for the Gregorian Calendar that many countries use, according to www.timeanddate.com:

The rule for calculating Leap Years was changed to include that a year is a Leap Year if:
   The year is evenly divisible by 4;
   If the year can be evenly divided by 100, it is NOT a leap year, unless;
   The year is also evenly divisible by 400. Then it is a leap year.

Thank you, Pope Gregory XII

Clicker Question

How do we start determining if *year* is a leap year?

A. if year%4 == 0:

B. if year%400 == 0:

C. if year%4 != 0:

D. if isaLeapYear(year):