Exercises Selection extra

In these exercises you only use the language elements up to and including selection. So you don't use strings or iterations or special functions...

Exercise 1

Write a program to determine whether the year you enter is a leap year or not. You program the following lines yourself (without using Python functions):

- For the years before 1582, the rule applies that if they are divisible by 4, the year is a leap year;
- After 1582, the following scheme applies (only the first condition applies).
    - divisible by 4000: no leap year
    - divisible by 400: leap year
    - divisible by 100: no leap year
    - divisible by 4: leap year

Examples

Year	Leap year?
1987	No
2000	Yes
1988	Yes
1900	No
1000	Yes
8000	No

Exercise 2

a) Write a program that allows you to check whether the national registration number someone passes on is correct. Find out for yourself what the meaning is of the different parts of your national number and then print out the following information.

```
Enter your name: Vic
Enter the first 9 digits of your national number : 051226871
Enter the last 2 digits of your national number : 14
Hello Vic, the national number you gave is not correct
```

```
Enter your name: Jessica
Enter the first 9 digits of your national number : 881006160
Enter the last 2 digits of your national number : 26
Hello Jessica, your gender is female
You were born on 6/10/88
```

b) Expand your program so that the month of the date of birth appears in text form.
    e.g.: You were born on October 6, 88.