\*4.10 (Guess birthday) Rewrite Listing 4.3, GuessBirthday.java, to prompt the user to enter the character Y for Yes and N for No rather than entering 1 for Yes and 0 for No.

(猜测生曰）改写程序清单4 3, 提示用户输入字符 Y 代表 “是”，输入 N代表 “不是”，代替之 前输入1表示 “是” 和0 表示 “不是”。

4.12 (Hex to binary) Write a program that prompts the user to enter a hex digit and displays its corresponding binary number. Here is a sample run:

Enter a hex digit: B

The binary value is 1011

Enter a hex digit: G

G is an invalid input

(十六进制转二进制）编写一个程序，提示用户输人一个十六进制数，显示其对应的二进制数。 下面是一个运行示例：

Enter a hex digit: B

The binary value is 1011

Enter a hex digit: G

G is an invalid input

\*4.13 (Vowel or consonant?) Write a program that prompts the user to enter a letter and check whether the letter is a vowel or consonant. Here is a sample run:

Enter a letter: B

B is a consonant

Enter a letter grade: a

a is a vowel

Enter a letter grade: #

# is an invalid input

(利断元音还是辅音）编写一个程序，提示用户输入一个字母，判断该字母是元音还是辅音。下 面是一个运行示例：

Enter a letter: B

B is a consonant

Enter a letter grade: a

a is a vowel

Enter a letter grade: #

# is an invalid input

\*4.14 (Convert letter grade to number) Write a program that prompts the user to enter a letter grade A, B, C, D, or F and displays its corresponding numeric value 4, 3, 2, 1, or 0. Here is a sample run:

Enter a letter grade: B

The numeric value for grade B is 3

Enter a letter grade: T

T is an invalid grade

(转换字母等级为数字）编写一个程序，提示用户输入一个字母等级A、B、C、D或者F, 显示 对应的数字值4、3、2、1 或者 0。下面是一个运行示例：

Enter a letter grade: B

The numeric value for grade B is 3

Enter a letter grade: T

T is an invalid grade

\*4.24 (Order three cities) Write a program that prompts the user to enter three cities and displays them in ascending order. Here is a sample run:

Enter the first city: Chicago

Enter the second city: Los Angeles

Enter the third city: Atlanta

The three cities in alphabetical order are Atlanta Chicago Los Angeles

(对三个城市排序）编写一个程序，提示用户输入三个城市名称，然后以升序进行显示。下面是 一个运行示例：

Enter the first city: Chicago

Enter the second city: Los Angeles

Enter the third city: Atlanta

The three cities in alphabetical order are Atlanta Chicago Los Angeles